



# CATALOGUS HYMENOPTERORUM

hucusque descriptorum

## systematicus et synonymicus

Auctore

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LIPSIAE

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#### Herrn

## ALEXANDER MOCSÁRY,

Custos des ungarischen Nationalmuseums und correspondirendem Mitgliede der ungarischen Akademie der Wissenschaften in Budapest

gewidmet

vom Verfasser.



## VORWORT.

Indem ich hiermit das Werk einer fast 20 jährigen Thätigkeit der Öffentlichkeit übergebe, scheint mir mehr als ein Grund dafür zu sprechen, dasselbe mit einigen erläuternden Worten einzuleiten.

Das vorliegende Werk, "Catalogus Hymenopterorum hucusque descriptorum systematicus et synonymicus" hat den Zweck, zum ersten Male einen alle (bis zum Schlusse des Jahres 1890) bekannt gewordenen Hymenopteren-Arten aller Länder enthaltenden Catalog dem sich dafür Interessirenden zu bieten, und hat gewissermaßen einen Vorläufer, ja Doppelgänger in dem von Br. E. Harold und Dr. E. Gemminger herausgegebenen "Catalogus Coleopterorum", der zur vorliegenden Arbeit auch die Anregung gegeben hat. Mit ihm hat er außer dem Zwecke, ein Bild des gegenwärtigen Wissensstandes dieser Tiergruppe zu bieten, auch die systematisch-alphabetische Anlage, die Citate und die Angaben über die geographische Verbreitung mutatis mutandis gemeinsam — und doch unterscheidet er sich von demselben in einigen ganz wesentlichen Punkten, ich glaube zu seinen Gunsten.

Ein solcher Hauptunterschied liegt darin, dass in dem "Münchener Cataloge" gewisse Gattungen bloß nach den vorhandenen Monographien behandelt, resp. verzeichnet wurden, während in der vorliegenden Arbeit ausnahmslos aus erster Quelle geschöpft und somit Citat für Citat selbst verglichen wurde. Liegt nun hierin schon eine sehr wertvolle Garantie für die Richtigkeit der Citate, so wächst der Wert dieser selbständigen Forschungs- und Studienmethode noch mehr durch die dadurch erzielte Consequenz bezüglich der Nomenclatur. Ein weiterer wesentlicher Unterschied liegt darin, dass in den aufgeführten Citaten keinerlei Auswahl erfolgte; es sind vielmehr alle Beschreibungen, alle biologischen, anatomischen und physiologischen Angaben, alle Abbildungen mit und ohne Metamorphose, sowie alle Versetzungen in verschiedene Genera ersichtlich

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gemacht, wodurch der wissenschaftliche Apparat zwar größer und complicirter, zugleich aber auch bis incl. 1890 abgeschlossen erscheint; der kleine Mangel, dass da und dort, wo es sich um eine ältere namentlich vorlinnéische Angabe handelt, das eine oder andere Citat vielleicht etwas unsicher geworden ist, steht wohl in keinem Verhältnisse zu dem klaren Bilde, welches man in Bezug auf die Geschichte der Kenntnisnahme derselben erhält. — Ein weiterer Unterschied endlich liegt in der formalen Ausführung des Werkes, in der Art der Citate und ihrer Wiedergabe, in den geographischen Verbreitungsangaben, in der Aufnahme der fossilen Arten, und in der Aufnahme der Nahrungspflanzen bei den Phytophagen und der Nahrungstiere bei den parasitischen Arten, wodurch das Werk ein sehr wertvolles Nachschlagebuch über den heutigen Wissensstand geworden ist, wie ein ähnliches nicht existirt. Auch die Beigabe der gesamten hymenopterologischen Literatur möge als ein weiterer wertvoller Unterschied zu Gunsten dieser Arbeit angesehen werden.

Haben wir damit gewissermaßen von oben her das vorliegende Werk in seiner Grundanlage kennen gelernt, so erscheint es immerhin noch nötig, auch auf die Einzelheiten desselben einzugehen, und ich beginne hierbei mit dem Literaturschatze der Hymenopteren. Es erscheint auf den ersten Blick, namentlich in Rücksicht auf die grundlegende Arbeit Dr. A. Hagen's und auf eine vor einem Decennium erschienene Arbeit A. Mocsary's, sowie auf die beiden erscheinenden Jahresberichte (im Archiv für Naturgeschichte Bd. II. und im Zoological Record) und Carus-Engelmann und Taschenberg's Bibliotheca zoologica (Leipzig, Engelmann 1887 ff.) ein nicht sehr schwieriges, vielleicht sogar ein überflüssiges Unternehmen, eine derartige Zusammenstellung zu veröffentlichen. Ein vergleichender Blick auf alle diese Publikationen im Zusammenhalte mit dieser meiner Bibliographie genügt wohl vollständig, die Existenzberechtigung derselben vollauf anzuerkennen. Die wenigen nicht persönlich verglichenen Aufsätze sind mit einem Sternchen (\*) bezeichnet; Auszüge, Übersetzungen und Kritiken sind stets beim Originale aufgeführt; im Übrigen erleichtern zahlreiche Hinweise den Gebrauch und ergänzen die Citate gegeneinander. Eine schwierige Frage war die Bestimmung der Grenzlinie zwischen den rein wissenschaftlichen, den sog. populärwissenschaftlichen und den rein populären Zeitschriften und Vereinsorganen; ich habe alle in den Jahresberichten aufgeführten Aufsätze verglichen, doch prinzipiell die beiden letzteren Kategorieen von Journalen auf die hymenopterologischen Artikel nicht durchgesehen. Ebenso glaubte ich die rein forst- und landwirtschaftlichen, sowie die Vorwort. III

Jagdzeitungen und endlich die tussischen und ungarischen Zeitschriften Johne Revuej mit Ausnahme der rein zoologischen resp. rein entomologischen, dann die Bienenliteratur, sowie die biologische Blumen und Insekten, forstliche und cecidologische Literatur Gallen so kurz als thunlich behandeln zu sollen.

Was den Catalog selbst anlangt, so muss ich vor Allem hervorheben. dass derselbe lediglich nur die Aufgabe hat, den Wissensstand der bis heute beschriebenen Hymenopteren-Arten zu bieten. Selbst beim besten Willen und beim objectivsten Studium war es nur in wenigen Fällen möglich und statthaft, für diesen Zweck zunächst Kritik zu üben und dadurch gewissermaßen einer Monographie vorzugreifen. Wo es aber nötig erschien. trotzdem kritische Bemerkungen zu machen, erschien es mir zweckdienlich, dieselben separat unter dem Titel "Hymenopterologische Notizen" in der Wiener entomologischen Zeitung klarzulegen. Für die richtige Begrenzung der Gattungen, Rassen (stirps) und Arten, für die Stellung derselben im Systeme, für die richtige Einordnung gewisser Arten in eine bestimmte Gattung, für die Auslassung oder Zuziehung gewisser Synonyma u. s. w. darf und muss ich die vor mir arbeitenden Forscher verantwortlich machen, denn für gewisse Fragen entziehen sich deren Beschreibungen und Abbildungen ebenso, wie deren "Typen" unzugänglich oder unzulänglich sind. Dass man aber trotzdem die Arbeiten der älteren Autoren (Linné, Fabricius, Schrank u. s. w.: und die mit ihnen zusammenhängende Tradition etwas freier beurteilen muss, als jene der neueren, steht mir fest, um so mehr, als ja sonst die ganze Arbeitsleistung der "Väter der Entomologie" in tausende von Zweifeln und schließlich in Nichts zusammensinken würde. Die Familien, Subfamilien und Genera sind systematisch und zwar in aufsteigender Reihenfolge angeordnet; bei den Tenthrediniden mit Cimbex beginnend, steigen sie, soweit dieser Ausdruck benützt werden darf, zu den Apiden resp. zur Gattung Apis hinan; die neu aufgestellten Genera wurden nach Thunlichkeit conform den dort gemachten Angaben eingereiht; wo aber in der Originalbeschreibung Angaben über ihre Stellung fehlen, dürfte freilich manchesmal ohne Verschulden ein Verstoß in der Einreihung untergelaufen sein

Die Genera wurden nach dem Prioritätsgesetz in der Weise gestellt, dass ein im Gesammtgebiete der Zoologie einmal vorkommender angewandter Name jede zweite Anwendung ausschließt; anderseits aber reicht jede, auch die geringste Formverschiedenheit des Namens im An- oder Auslaute hin, den ähnlichlautenden Genusnamen benutzbar zu machen. Auf den Genusnamen, der, wo nötig, ausnahmslos etymologisch richtig

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gestellt wurde, was auch stets bemerkt ist z. B. bei Eriades), folgt das Citat der ersten Anwendung derselben, wobei freilich auf dessen Originalumfang keine Rücksicht genommen werden konute. Ein zweites Citat gibt, wenn nötig, den Autor des heutigen Gattungsumfanges: Was Alles verstand Linné, um nur ein Beispiel zu bringen, unter seiner Gattung Apis, die heute doch nur einen ganz kleinen Formenkreis umschließt! Weiter folgt dann fast ausnahmlos die etymologische Ableitung, und ich benütze mit Freuden diese Gelegenheit, um meinem Freunde, Prof. M. Hechfellner, hier den herzlichsten Dank zu erstatten für die collegiale Teilnahme, mit welcher derselbe meine diesbezüglichen Notizen revidirte und mehrfach corrigirte; einige Namen mussten freilich trotz alledem unaufgeklärt bleiben. Da es mir im Allgemeinen richtiger scheint, den Genusbegriff eher im weiteren als im engeren Umfange aufzufassen, so erscheinen als Erläuterungen desselben die Synonyma, sowie die Subgenera, und nur dort, wo neue Monographieen einzelner Gruppen vorlagen, welche einer weiten Gattungstrennung huldigen, machte auch ich von diesem meinem Principe eine Ausnahme, dem Auctor allein die Verantwortung überlassend. Endlich folgen noch jene Gattungsnamen, unter denen die heute einer Gattung substituirten Arten im Laufe der Zeit beschrieben wurden, mit Angabe der betreffenden Auctoren; da dieselben Namen meist an anderer Stelle als noch in Verwendung stehend aufgeführt sind, wurde daselbst von der Anführung der Citate und der etymologischen Ableitung Umgang genommen, um nicht das Werk durch verhältnismäßig wenig wichtige Angaben all zu sehr zu vergrößern und zu belasten.

Innerhalb der einzelnen Gattungen folgt das alphabetische Verzeichnis der Arten. Hat bereits schon Br. Harold nachgewiesen, dass bei dessen Catalogus Coleopterorum von einer systematischen Anordnung abgesehen und nur die alphabetische Anordnung gewählt werden musste, so sind alle dort aufgeführten Gründe für diesen Vorgang noch viel zutreffender für die Hymenopteren, bei denen die Anzahl unsicher und unzureichend beschriebener Formen bedeutend größer ist, als bei den Coleopteren. Natürlich sind auch diese mangelhaft beschriebenen der alphabetischen Aufzählung einverleibt; um sie aber sofort als der Erklärung und Erläuterung bedürftig zu kennzeichnen, ist denselben ein Rufzeichen (! beigesetzt, und es mögen daher künftige Forscher diesen Namen, Beschreibungen und Exemplaren ihre besondere Aufmerksamkeit zuwenden oder sie endlich endgiltig ausscheiden. Wo es thunlich erschien, wurden auch die Species-Namen etymologisch richtig gestellt; es sind dies zwar nur wenige Fälle, doch erscheint dies geradezu eine Forderung des wissen-

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schaftlichen Anstandes. So ist es z. B. wissenschaftlich gewiss nicht gerechtfertigt, wenn jeder Elementarlateiner befähigt und - berechtigt ist, Wörter, wie laevis, coelestis, sylvaticus zu corrigiren, ohne dass man in wissenschaftlichen Kreisen je davon Notiz genommen hat, und ähnlich verhält es sich auch mit den Geschlechtsendungen, wo auch alle erdenklichen grammatikalischen Fehler gemacht und fortwährend colportirt werden. Möge diese Anregung wenigstens auf dem Gebiete der Hymenopterologie nachhaltig einwirken! Ich habe auch für diese formale Seite der Arbeit keine Mühe gescheut und tausende von lexicographischen Angaben verglichen. Auf diese endgiltig nach dem Prioritätsgesetz fixirten Namen folgt die Angabe, welche Sexualformen bis jetzt beschrieben sind, wobei natürlich ab und zu noch Männchen und Weibehen einer und derselben Art unter verschiedenen Namen erscheinen, weil deren sexuelle Zusammengehörigkeit bis jetzt noch nicht erkannt worden ist. Bei den Tenthrediniden und Siriciden, bei welch beiden Familien die Aufzucht der Larven einen wichtigen Zweig des biologischen Studiums bildet, wurde durch ein Ringelchen (°) auch die gesicherte Kenntnis der Larve angedeutet; ebenso wurde für die Gallen ein besonderes Zeichen (

) beigesetzt. In derselben Zeile folgt weiter noch das geographische Verbreitungsareal der betreffenden Art, eine Angabe, deren Eruirung mir sehr viele Arbeit und Mühe gekostet hat; selbstverständlich wurden jegliche irgendwie Zweifel erregende Notizen von vorneherein ausgeschlossen. Dass ich hierbei die Bezeichnung der Continente beibehielt und dann, wo es möglich und wertvoll war, die politisch abgegrenzten Ländercomplexe von Nord gegen Süd vorschreitend, aufführte, hat seinen Grund darin, dass mir die Sclater-Wallace'sche Einteilung der Erdoberfläche dem praktischen Bedürfnisse weniger entsprechend und auch wissenschaftlich noch nicht vollständig und allseitig gesichert und erhärtet scheint. Freilich wäre es von großem Werte gewesen, die geographischen Angaben, soweit als möglich, durch Autoren zu belegen, allein auch hier musste Maß im Raum gehalten werden; zudem liegen die Quellen dem mit der hymenopterologischen Literatur Vertrauten doch nicht so ferne, wie dies in anderen Disciplinen, z. B. bei den Vögeln der Fall ist. Bemerkenswert erscheint nur, dass die Namen der Länder meist lateinisch oder latinisirt, wo dies zu Schwierigkeiten geführt hätte, in der Originalsprache der Bewohner oder Colonisten angeführt sind.

Die folgenden Zeilen bieten den Citaten- und Synonymenschatz, in welchem eigentlich der Schwerpunkt der ganzen Arbeit liegt. Derselbe citirt, wie schon oben angedeutet, in chronologischer Folge von der ersten VI Vorwort.

Beschreibung oder Abbildung oder selbst namenlosen Anführung der betreffenden Art alle Beschreibungen derselben, alle Abbildungen, alle auf die Anatomie, Physiologie oder Biologie bezüglichen Stellen, natürlich mit Ausschluss aller jener, wo dieselbe blos dem Namen nach erwähnt wird, wie dies z. B. bei faunistischen Listen der Fall ist; wenn jedoch über das isolirte Vorkommen oder auffallend häufige Auftreten, über Nutzen oder Schaden u. s. w. weitläufigere Angaben vorgebracht wurden, wurde auch dieses Citat mit aufgenommen, ebenso wie die älteste auf die betreffende Art mit Sicherheit zu deutende Stelle stets citirt erscheint, selbst wenn für dieselbe noch kein Name oder nur eine Paraphrase beigebracht worden ist; desgleichen sind alle Versetzungen von einem Genus in das andere ersichtlich gemacht. Es gibt somit dieser Citatenschatz wirklich das historische Bild der Kenntnisnahme der Art und zwar in einer Form, welche durch die zeilenweise Anordnung und durch die Ausführlichkeit des Citates selbst wohl nichts zu wünschen übrig lässt. Beiläufig sei hier auch erwähnt, dass bei gleichzeitig erschienenen Hinweisen die selbständigen Werke den Zeitschriftenaufsätzen vorangehen und dass die Zeitschriften nach dem Hauptschlagworte im Titel geordnet sind. Zur leichteren Orientirung wurden die Initialen der germanischen Sprachen groß, jene der romanischen klein geschrieben; bei den im Buchhandel erschienenen und erscheinenden Journalen blieb der Verlagsort und der Redacteur des leichten Wechsels halber gänzlich weg; bei den Gesellschaftsschriften erscheint der Vereinssitz stets vor der Band- resp. Jahreszahl. Die Bandzahl wird stets in römischen, die Heftzahl in arabischen Ziffern angeführt, letztere jedoch nur dort, wo sie wegen der unregelmäßigen Erscheinungszeit absolut notwendig ist; ebenso sind auch Hefte, Fascikel, Partes, Livraisons, No. des Aufsatzes u.s.w. nur dann speciell angeführt, wenn dies von chronologischer Bedeutung ist. Bruchstriche der Bände oder Hefte deuten auf das gleichzeitige Erscheinen derselben hin; die Serieszahlen sind in Klammern eingeschlossen; wo aber möglich, wurde ohne Serien fortlaufend nummerirt. Auf die Band- oder Heftzahl folgt die Jahreszahl und hier sei bemerkt, dass der Jahrgang stets organisch genommen ist, so dass jedes Heft eines Jahrbuches dem betreffenden Jahre zugeschrieben wurde, selbst wenn es nach Jahresschluss ausgegeben wurde. Zu diesem Vorgange leitete mich die Erfahrung, dass wenigstens die Separata meistens noch im entsprechenden Jahre ausgegeben werden und dass das verspätete Erscheinen der betreffenden Hefte meist nur vom Zufalle abhängig ist; die wissenschaftliche Conception entspricht daher wohl immer dem betreffenden Jahrgange. Eine Ausnahme musste natürlich dann gemacht werden, wenn

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zwischen dem Datum der Abfassung und dem des Erscheinens ein mehrjähriger Zeitraum verflossen ist, wie dies bei einigen italienischen Journalen (z. B. Atti accad. sc. fis. Napoli) statt hat. In diesem Falle ist die Zeit der wissenschaftlichen Conception resp. Mitteilung durch Vorlage in Klammern, die Zeit des Erscheinens außerhalb derselben gesetzt. Dem gegenüber ist es selbstverständlich, dass bei Zeitschriften, welche heftweise erscheinen und deren Beginn der Bände nicht mit dem Kalenderjahr zusammenfällt, ohne Weiteres dasjenige Jahr angesetzt wird, in welchem der betreffende Aufsatz wirklich erschienen ist. Nach der Jahreszahl wird mit p. die Seitenzahl und mit n. die Nummer der betreffenden Species angegeben; dann folgt noch die event. Angabe des Geschlechtes und wo nötig die Tafel (T.) und die Figur (F.) der Abbildurg, oder der bloße Hinweis auf die Nummer der Abbildung im Text (Fig.): bei nicht nummerirten Tafeln ist dies durch ein vorgesetztes Tab., bei mit Buchstaben, nicht mit Zahlen bezeichneten Figuren, durch ein beigesetztes Fig. angedeutet. Die sexuellen und agamen Formen der Cynipiden wurden gleich den Rassen (stirpes) der Formiciden je für sich behandelt und durch Hinweise als zusammengehörig bezeichnet.

Da das vorliegende Werk den Charakter eines ausgesprochenen Nachschlagebuches für Hymenopterologen hat, so glaubte ich noch ein Besonderes zu thun, indem ich anhangsweise in Fußnoten bei den Phytophagen die Nahrungspflanze der Larven, bei den Parasiten die Wirtstiere, soweit es bekannt geworden, anführte. Da hierbei die Verlässlichkeit des Auctors von ganz besonderer Bedeutung ist, und auch nur dieser für die betreffende Angabe verantwortlich gemacht werden muss, so wurde stets auch dessen Name in Klammern aufgeführt; die betreffenden Pflanzen- oder Tiernamen erscheinen aber ohne Berücksichtigung jeglicher Synonymie mit oder ohne Auctor, genau wie in der Originalmitteilung, um deren Charakter möglichst zu wahren; zu allgemeine Angaben, wie Gattungen von Pflanzen (auf "Weiden") oder Ordnungen von Insekten ("Dipteren"), wurden principiell ausgeschlossen.

Den Schluss eines jeden Bandes bildet ein alphabetisches Register der Genus- und Speciesnamen; bei ersteren wurden auch die Synonyma berücksichtigt, die letzteren sind der Einfachheit halber ohne Rücksichtnahme auf die Gattungen angeführt.

Endlich sei noch hervorgehoben, dass das gesammte Werk mit dem Jahre 1890 abgeschlossen wurde, dass jedoch auch die folgenden Jahresberichte (Zoological Record, Zoologischer Anzeiger u. s. w.) bis zur Drucklegung für die Feststellung der Synonymie berücksichtigt wurden; VIII Vorwort.

das Datum des Abschlusses ist bei jedem Bande speciell angegeben. Dadurch ist manche mir sehr unangenehme, nichts desto weniger aber unvermeidliche Inconsequenz zu erklären und wohl zu entschuldigen. Ebenso dürfte auch die eine oder andere aufstoßende Inconsequenz in der Behandlung durch die lange Zeitdauer der Abfassung ihre Entschuldigung finden, während welcher ich vom Jüngling zum Manne gereift und ab und zu auch meine Ansicht und deren Durchführung zu ändern mich veranlasst sah.

Schließlich erfülle ich noch die angenehme Pflicht, allen Instituten. an denen ich arbeitete und die mich durch die Vermittelung ihrer reichen Schätze unterstützten, insbesondere dem k. k. naturhistorischen Hofmuseum in Wien, der k. k. Universitätsbibliothek in Wien, der k. b. Hof- und Staatsbibliothek in München und der k. k. Universitätsbibliothek in Innsbruck, sowie meinen zahlreichen Freunden, welche einzelne Partieen des Catalogs zu revidiren die Freundlichkeit hatten, den wärmsten Dank auszusprechen. Ebenso sei der Verlagsbuchhandlung für ihr coulantes Entgegenkommen in jeder Beziehung und für ihre schöne, zweckmäßige typographische Ausstattung auf das Freundlichste gedankt.

Und so habe ich die Beruhigung, mit klarem Blick die Arbeit am Beginne überschaut, mit größter Gewissenhaftigkeit sie durchgeführt und mit begeisterter Freude sie abgeschlossen zu haben: möge sie nun auch der Wissenschaft jenen Dienst erweisen, für welchen sie geschaffen wurde!

Innsbruck, im Juli 1891.

Prof. Dr. K. W. v. Dalla Torre.

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## XII. Fam. Chrysididae Latr.

## 1. Subfam. Amiseginae

Mocsáry, Monogr. Chrysid. 1589 p. 34.

#### AMISEGA

Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen. I. p. 457, Etymol. obscura.

cuprifrons Cam. - Am.: Panama.

Amisega cuprifrons Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen, I. p. 457 n. 1; T. 20 F. 2. Amisega cuprifrons Mocsáry, Monogr. Chrysid, 1889 p. 35 n. 1; T. 1 F. 3 & 6.

## 2. Subfam. Adelphinae

Mocsáry, Termész, Füzet, XIII, 1890 p. 45,

#### ADELPHE

Mocsáry, Termész. Füzet. XIII. 1890 p. 46. ἀθελφή, soror.

mexicana Mocs. — 3 — Am.: Mexico.

Adelphe Mexicana Mocsáry. Termész. Füzet. XIII. 1890 p. 46 n. 1. 3.

#### 3. Subfam. Cleptinae

Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 211.

#### CLEPTES

Latreille, Hist. nat. Crust. & Insect. III. 1802 p. 316. κλέπινς, fur.

Synon .: Chrysis Fabricius & auct. ant.

Diplolepis Fabricius.

Ichneumon Fabricius & auct. ant.

Sphex Linné & auct. ant.

Vespa Geoffroy.

abeillei Buyss. — ⊊ 3 — Eur.: Gallia, Helvetia.

Cleptes aerosus Tournier. Ann. soc. entom. Belgique XXII. 1879 p. SS, nota [nee Först.].

Cleptes acrosus Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 28, 3! non C, nec Först.].

Cleptes Abeillei Buysson, Rev. d'entom. VI. 1887 p. 6. ⊆!

Cleptes Abeillei Buysson, Rev. d'entom. VII. 1888 p. 13, 3!

Cleptes Abeillei Mocsáry, Monogr. Chrysid. 1889 p. 59 n. 27. ⊊ ♂.

Cleptes Abeillei Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 54, 9 3.

Catalogus Hymenopterorum. VI.

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aerosus Först. — \beta — Eur.: Hungaria.
                                                                        [nec Frey-Gessn.].
   Cleptes aerosus Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 329 n. 86, \circlearrowleft! [nec Tourn.
   Cleptes acrosus Mocsáry, Chrysid, faun. Hungar, 1882 p. 21 & 79 n. 4, 3.
   Cleptes aerosus Mocsáry. Monogr. Chrysid. 1889 p. 58 n. 26, 3.
 afer Luc. — 🖂 🥱 — Eur.: Hispania; Afr.: Algeria; As.: Syria.
   Cleptes afra Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 315 n. 361, ♀; T. 18 F. 1.
   Cleptes afra Abeille, Ann. soc. Linn. Lyon. XXVI. 1879 p. 16 & 17, Q.
   Cleptes Perezii Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 30 n. 1, 3.
   Cleptes afra Buysson, Rev. d'entom. VI. 1887 p. 7. ⊆ 3.
   Cleptes Perezi Mocsáry, Monogr. Chrysid. 1889 p. 46 n. 13, 3.
   Cleptes afer Mocsáry, Monogr. Chrysid. 1889 p. 53 n. 19, ⊊ ♂.
~alienus Patt. — ⊊ ♂ — Am.: Montana, Wyoming.
   Cleptes aliena Patton, Canad. Entomol. XI. 1879 p. 66, ⊆.
   Cleptes aliena Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 211, & 3.
   Cleptes alienus Mocsáry, Monogr. Chrysid. 1889 p. 39 n. 6, \subseteq~\mathfrak{Z} .
 americanus Prov. — 车 🛪 — Am.: Canada, Colorado, Washington Terr.
   Cleptes Americana Provancher, Natural. Canad. XII. 1881 p. 304, ⊊ [nee Cresson].
   Cleptes Americana Provancher, Faun. entom. Canada. Hymen. 1883 p. 583, Q.
   Cleptes Provancheri Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 212, Q 3.
   Cleptes Provancheri Provancher, Addit. faun. Canada. Hymén. 1887 p. 223 n. 1.
   Cleptes Americanus Mocsáry. Monogr. Chrysid. 1889 p. 40 n. 7, ⊆ ♂.
 auratus Dahlb. — 3 — Eur.: Turcia.
   Cleptes aurata Dahlbom, Dispos. method. Hymen. II. 1845 p. 2 n. 6, 3 [non Panz.].
   Cleptes aurata Dahlbom, Hymen. Europ. II. 1854 p. 20 n. 5, 3.
   Cleptes aurata Smith, Trans. Entom. Soc. London 1874 p. 452 n. 5.
    Cleptes auratus Mocsáry, Monogr. Chrysid. 1889 p. 56 n. 22, 5.
 aurora Smith — — Am.: Brasilia.
    Cleptes Aurora Smith, Trans. Entom. Soc. London 1874 p. 452 n. 7, Q.
    Cleptes Aurora Mocsáry, Monogr. Chrysid. 1889 p. 38 n. 4, ⊊.
 consimilis Buyss. — ⊆ ♂ — Eur.: Gallia, Sicilia, Helvetia, Hungaria, Graecia; As. minor.
    Cleptes ignita Chevrier. Descr. Chrysid. Léman 1862 p. 123. ⊊! [excl. ♂, nec Fabr.].
    Cleptes consimilis Buysson, Rev. d'entom. VI. 1887 p. 198 n. 36, 3!
    Cleptes ignita var. Chevrieri Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 28 & 30, ⊆.
    Cleptes ignita var. Chevrieri Destefani, Natural. Sicil. VII. 1888 p. 115 & p. 215, ⊊.
    Cleptes consimilis Mocsáry, Monogr. Chrysid. 1889 p. 44 n. 10. 3.
    Cleptes Chyzeri Mocsáry. Monogr. Chrysid. 1889 p. 50 n. 16, ⊆.
    Cleptes Chyzeri Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 56, Q.
    Cleptes consimilis Mocsáry, Termész. Füzet. XIII. 1890 p. 47 n. 2, & 3.
  diana Mocs. -- 3 - Eur.: Graecia.
    Cleptes Diana Mocsáry, Monogr. Chrysid. 1889 p. 46 n. 12, 3.
  fallax Mocs. — 🦪 — Eur.: Helvetia, Austria, Hungaria, Russia.
    Cleptes\ aerosus\ Frey-Gessner, Hymen.\ Helvet.\ Chrysid.\ 1887\ p.\ 28, \not\exists\ !\ [nee\ F\"{o}rst., nee\ Tourn.].
    Cleptes fallax Mocsáry, Monogr. Chrysid, 1889 p. 49 n. 15, 3.
    Cleptes fallax Frey-Gessner, Bull. soc. Murith. XVI, XVIII. 1890 p. 56, 3.
  fasciatus Dalm. — \subsetneq — Am.: Brasilia.
     Cleptes fasciata Dalman, Anal. entom. 1823 p. 90 n. 102, C.
     Cleptes fasciata Dahlbom, Dispos. method. Hymen. II. 1815 p. 1 n. 3, Q.
     Cleptes fasciata Dahlbom, Hymen. Europ. II. 1854 p. 12 n. 1, 9; T. 1 F. 1.
     Cleptes fasciata Smith, Trans. Entom. Soc. London 1874 p. 452 n. 3.
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Cleptes fasciatus Mocsáry, Monogr. Chrysid. 1889 p. 37 n. 3, Q.





Cleptes. 3

femoralis Mocs. - 3 - As. minor. Cleptes femoralis Moesáry, Termész. Füzet. XIII. 1890 p. 47 n. 3, 3. ignitus Fabr. — ⊊ 3 — Eur. centr., mer.; As.: Armenia, Caucasus; Afr.: Barbaria. Ichneumon ignitus Fabricius, Mant. Insect. I. 1787 p. 269 n. 128, Ç. Ichneumon chrysis Fabricius, Mant. Insect. I. 1787 p. 269 n. 129, 3. Ichneumon ignitus Gmelin, Linné: Syst. nat. Ed. 13a I. 5. 1790 p. 2712 n. 201, ⊊. Ichneumon chrysis Gmelin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2712 n. 202, 3. Ichneumon ignitus Olivier, Encycl. méthod. Insect. VII. 1792 p. 200 n. 179, ⊊. Ichneumon ignitus Fabricius, Entom. system. II. 1793 p. 184 n. 212,  $\subseteq$ Ichneumon chrysis Fabricius. Entom. system. II. 1793 p. 184 n. 213, 3. Diplolepis chrysis Fabricius, Syst. Piez. 1804 p. 150 n. 5, 3. Cleptes ignita Fabricius, Syst. Piez. 1804 p. 155 n. 4, ⊆. Cleptes ignita Dahlbom, Dispos. method. Hymen. II. 1845 p. 2 n. 5. ⊆. Cleptes ignita Dahlbom, Hymen. Europ. II. 1854 p. 18 n. 4, ⊆ 3. Cleptes ignita Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 545 n. 2,  $\subseteq$  3. Cleptes ignita Smith, Trans. Entom. Soc. London 1874 p. 452 n. 4. Cleptes ignita Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 16, Q 3. Cleptes ignita Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 156, Q. Cleptes ignitus Mocsáry, Chrysid. faun. Hungar. 1882 p. 20 n. 3, ⊊ ⋨. Cleptes ignitus Mocsáry, Monogr. Chrysid. 1889 p. 52 n. 18, ⊊ ♂. insperatus Aar. —  $\subseteq$  — Am.: Montana. Cleptes insperata Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 212, ⊆; T. 6 F. 1 & 2. Cleptes insperatus Moesáry, Monogr. Chrysid. 1889 p. 40 n. 8. ⊊. morawitzii Rad. — ⊆ 3 — As.: Turcestania. Cleptes Morawitzi Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 1 n. 1, ⊊ 5; T.3F.3. Cleptes Morawitzi Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 6, ⊊ 5; T. 1 F. 4. Cleptes Morawitzii Mocsáry, Monogr. Chrysid. 1889 p. 60 n. 28, ⊊ 3. nitidulus Fabr.  $- \subsetneq 3$  — Eur. fere tota. Ichneumon nitidulus Fabricius, Entom. system. II. 1793 p. 184 n. 211, ⊊. Ichneumon nitidulus Coquebert, Illustr. iconogr. Insect. I. 1799 p. 19, ⊊; T. 4 F. 5. Cleptes nitidula Fabricius. Syst. Piez. 1804 p. 154 n. 2, Q. Cleptes nitidula Latreille, Hist. nat. Crust. & Insect. XIII. 1805 p. 236 n. 2, Q. Cleptes nitidula Lepeleticr, Ann. mus. hist. nat. VII. 1806 p. 119 n. 2, C. Cleptes nitidula Jurine, Nonv. méth. class. Hymén. 1807 p. 299, ⊆. Cleptes nitidula Latreille, Gen. Crust. & Insect. IV. 1809 p. 44, Q. Cleptes nitidula Panzer, Faun. Insect. German. IX. 1809 P. 106 T. 11, C. Cleptes nitidula Lamarck, Hist. nat. anim. s. vert. IV. 1817 p. 127 n. 2. Q. Cleptes nitidula Schilling, Übers. Arbeit. Schles. Ges. f. vaterl. Cultur i. J. 1829, 1830 p. 54. Cleptes nitidula Dahlbom, Exercit. Hymen. P. 2, 1831 p. 25 n. 2, C.

Cleptes nitidula Lamarck, Hist. nat. anim. s. vert. Ed. 2ª IV. 1835 p. 340 n. 2, ⊆. Cleptes nitidula Shuckard, Entom. Magaz. IV. 1836 p. 159 n. 2, ⊆ 3.

Cleptes nitidula Curtis, Brit. Entom. XVI. 1839 p. 724 n. 2,  $\subseteq$  3; T. 724  $(\subseteq)$ .

Cleptes nitidula Wesmael, Bull. acad. sc. Belgique VI. 1. 1839 p. 169 n. 2, Q.

Cleptes nitidula Blanchard, Hist. nat. Insect. III. 1840 p. 298 n. 2, C.

Cleptes nitidula Dahlbom, Dispos. method. Hymen. II. 1845 p. 1 n. 2.  $\subseteq$ .

Cleptes nitidula Guérin, Iconogr. régn. anim. VII. Insect. 1845 p. 419,  $\subseteq;\ T.\ 68\ F.\ 11.$ 

Cleptes thoracica Laporte Guérin, Iconogr. régn. anim. VII. Insect. 1845 p. 421, ⊊. Cleptes nitidula Dahlbom, Hymen. Europ. II. 1854 p. 13 n. 2, ⊊.

Cleptes nitidula Danibom, Hymen. Europ. 11. 1854 p. 13 n. 2, S.

Cleptes nitidula Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 70 n. 39,  $\mathbb Q$   $\mathfrak Z.$ 

<sup>1)</sup> Hym.: Nematus ribesii Scop. Dahlbom.

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Cleptes nitidula Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 62, C 3.
    Cleptes nitidula Dumeril, Mém. acad. sc. Paris XXXI, 1860 p. 868 n. 1.
    Cleptes nitidula Chevrier, Deser. Chrysid. Léman 1862 p. 121, ⊊ ⅓.
    Cleptes nitidula Smith, Entomol. Annual f. 1852 p. 84 n. 2, ⊆.
    Cleptes nitidula Taschenberg, Hymen. Deutschl. 1866 p. 149, ⊆ ♂.
    Cleptes nitidula Thomson, Opusc. entom. P. 2, 1870 p. 102 n. 1, 9 3.
    Cleptes nitidula Schenck, Progr. Gymnas. Weilburg 1870 p. 14 n. 32, ⊊ ₹.
    Cleptes nitidula Smith, Trans. Entom. Soc. London 1874 p. 451 n. 2.
    Cleptes nitidula Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 16, ⊆ 3.
    Cleptes nitidula Marquet, Bull. soc. hist. nat. Toulouse 1879 p. 156.
    Cleptes nitidula Lamprecht. Goldwesp. Deutschlands 1881 p. VI. n. 3. \subseteq \beta.
    Cleptes nitidula Heyden, Ber. Senckenberg, naturf. Ges. 1881/82 p. 252 n. 24.
    Cleptes nitidulus Moesáry, Chrysid, faun. Hungar, 1882 p. 19 n. 1, C 5.
    Cleptes nitidulus Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 28 & 30, & 3.
    Cleptes nitidula Radoszkowsky, Horae soc. entom. Ross. XXIII. 1888 p. 7; T. 1 F. 6.
    Cleptes nitidulus Mocsary, Monogr. Chrysid, 1889 p. 42 n. 9, 5.
    Cleptes nitidulus Frey-Gessner, Bull. soc. Murith. XVI, XVIII, 1890 p. 55, \subseteq 5.
  orientalis Dahlb. — \subseteq \mathcal{F} — Eur.: Moravia, Hungaria, Turcia.
    Cleptes orientalis Dahlbom, Hymen. Europ. II. 1854 p. 20 n. 6, ⊊; T. 1 F. 2.
    Cleptes orientalis Smith, Trans. Entom. Soc. London 1874 p. 452 n. 6.
    Cleptes orientalis Mocsáry, Chrysid. faun. Hungar. 1882 p. 21 n. 5, C.
    Cleptes orientalis Mocsáry, Monogr. Chrysid. 1889 p. 57 n. 24, ⊆ 5; T. 1 F. 11 & 12.
  purpuratus Cress. — 5 3 — Am.: Vancouver Land, Washington Terr., Colorado.
    Cleptes purpurata Cresson, Trans. Amer. Entom. Soc. VII. 1879 Proc. p. X. C.
    Cleptes purpurata Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 211, ⊆ 3.
    Cleptes purpuratus Mocsáry, Monogr. Chrysid. 1889 p. 39 n. 5, ⊆ 5.
~ var. americanus Cress. — ⊊ 3 — Am.: Colorado, Nevada.
    Cleptes Americana Cresson, Trans. Amer. Entom. Soc. VII. 1879 Proc. p. X. Q 5.
    Cleptes purpurata var. Americanus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 211, ⊆ 3.
  putonii Buyss. — 4 3 — Eur.: Gallia.
    Cleptes Putoni Buysson, Revue d'entom. V. 1886 p. 151, C.
    Cleptes Putoni Buysson, Revue d'entom. VII. 1888 p. 13, 3.
    Cleptes Putoni Mocsáry, Monogr. Chrysid, 1889 p. 56 n. 23, & 3.
  radoszkowskii Rad. — ⊊ 3 — As.: Caucasus.
    Cleptes Radoszkowskii Mocsáry Radoszkowski. Horae soc. entom. Ross. XXIII. 1888 p. 7. 💆
    Cleptes Radoszkowskii Mocsáry, Monogr. Chrysid. 1889 p. 44 n. 11, ⊆ 3.
  saussurei Mocs. — ⊆ — Eur.: Russia mer.
    Cleptes Saussurei Mocsáry, Monogr. Chrysid. 1889 p. 57 n. 25, ⊈.
  scutellaris Mocs. - \subsetneq \mathfrak{Z} - \text{Eur.}: Hungaria, Austria inf.
    Cleptes ignitus var. scutellaris Mocsáry. Monogr. Chrysid. 1889 p. 53 n. 18, ⊊ ♂.
    Cleptes scutellaris Mocsáry, Termész. Füzet. XIII. 1890 p. 48 n. 4, \subsetneq \circlearrowleft.
  semianratus L., Latr. 1. — 4 3 — Eur. fere tota; As.: Caucasus, Sibiria.
    Sphex semiaurata Linné, Fauna Succ. Ed. 2a 1761 p. 413 n. 1661, 3.
    Vespa spec. Geoffroy, Hist. abr. Insect. II. 1762 p. 384 n. 24, \subseteq.
    Sphex semiaurata Linné, Syst. nat. Ed. 12a I. 2. 1767 p. 946 n. 35, 3.
    Chrysis semiaurata Fabricius, Syst. entom. 1775 p. 359 n. 14, ⊆.
    Sphex semiaurata Ph. L. Müller, Linné: Vollst. Natursyst. V. 2, 1775 p. 873 n. 35, 3.
     Chrysis semiaurata Fabricius, Spec. Insect. I. 1781 p. 457 n. 17, C.
    Sphex semiaurata Schrank, Enum. Insect. Austr. 1781 p. 386 n. 781, 3.
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<sup>1/</sup> Hym.: Nematus ribesii Scop. (Lepeletier; N. caeruleoearpus Htg. Fletcher).

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Cleptes. 5

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Vespa rufescens Fourcroy, Entom. Paris. II. 1785 p. 411 n. 29, Q.
Ichneumon semiauratus Fabricius. Mant. Insect. I. 1787 p. 269 n. 127. C.
Sphex semiaurata Villers, C. Linnaei Entom, III, 1789 p. 237 n. 12, 5.
Ichneumon semiauratus Gmelin, Linné: Syst. nat. Ed. 13ª I. 5, 4792 p. 2712 n. 200, ⊆.
Chrysis semiaurata Olivier, Encycl. méthod. Insect. V. 1790 p. 676 n. 21, Q.
Ichneumon semiauratus Rossi, Fauna Etrusca II. 1790 p. 53 n. 790, C; T. 6 F. 1 & 7.
Sphex semiaurata Christ, Naturg. d. Insect. 1791 p. 260, 3.
Ichneumon semiauratus Fabricius, Entom. system. II. 1793 p. 184 n. 210, C.
Ichneumon splendens Fabricius, Suppl. entom. system. 1798 p. 229 n. 211-212, 3.
Ichneumon semiauratus Panzer, Faun. Inseet. German. V. 1798 P. 51 T. 2. C.
Ichneumon auratus Panzer, Faun. Inseet. German. V. 1798 P. 52 T. 1, 3.
Cleptes semiaurata Latreille, Hist. nat. Crust. & Insect. III. 1802 p. 316.
Ichneumon auratus Schrökenstein, Verz. d. Halbkäfer etc. 1802 p. 27 n. 84.
Ichneumon semiauratus Walckenaer, Fauna Paris, II, 1802 p. 68 n. 94, C.
Cleptes semiaurata Fabricius. Syst. Piez. 1804 p. 151 n. 1, C.
Cleptes splendens Fabricius, Syst. Piez. 1804 p. 155 n. 3, 3.
Cleptes semiaurata Latreille, Hist. nat. Crust. & Insect. XIII. 1805 p. 236 n. 1, ⊆ ⅓; T. 101 F. 2.
Cleptes semiaurata Panzer, Krit. Revis. II. 1806 p. 95, 3.
Cleptes aurata Panzer. Krit. Revis. II. 1806 p. 95, 3.
Cleptes semiaurata Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 119 n. 1, ⊆ 3.
Cleptes pallipes Lepelcticr, Ann. mus. hist. nat. VII. 1806 p. 119 n. 3, C; T. S F. 1.
Ichneumon semiauratus Illiger, Rossi: Fauna Etrusca Ed. 2ª II. 1817 p. 78 n. 790, ⊊: T.6 F.1&7
Cleptes semiauratus Jurine, Nouv. méth. class. Hymén. 1807 p. 299, ⊆ 5. [[excl. synon.].
Cleptes semiaurata Latreille, Gen. Crust. & Insect. IV. 1809 p. 44.
Cleptes pallipes Latreille, Gen. Crust. & Insect. IV. 1809 p. 44.
Cleptes semiaurata Lamarck, Hist. nat. anim. s. vert. IV. 1817 p. 127 n. 1, C 5.
Cleptes pallipes Lamarck, Hist. nat. anim. s. vert. IV. 1817 p. 128 n. 3. C.
Cleptes semiaurata Lepeletier, Encycl. méthod. Insect. X. 1825 p. 9. C.
Cleptes splendens Lepeletier, Encycl. méthod. Insect. X. 1825 p. 9, 3.
Cleptes semiaurata Dahlbom, Exercit. Hymen. P. 2, 1831 p. 23 n. 1, ⊆ 5.
Cleptes semiaurata Lamarck, Hist, nat, anim, s. vert. Ed. 2a IV, 1835 p. 340 n. 1, ...
Cleptes pallipes Lamarck, Hist, nat. anim. s. vert. Ed. 2a IV, 1835 p. 340 n. 3, C.
Cleptes semiaurata Shuckard, Entom. Magaz. IV. 1836 p. 158 n. 1, 9 3.
Cleptes semiaurata Wesmael, Bull. acad. sc. Belgique VI. 1, 1839 p. 168 n. 1, ⊆ ≤.
Cleptes semiaurata Curtis. Brit. Entom. XVI. 1839 p. 721 n. 1, Q 3.
Cleptes semiaurata Blanchard. Hist. nat. Insect. III. 1840 p. 298 n. 1, C.
Cleptes semiaurata Westwood, Introd. mod. Classif. Insect. II, 1840 Synops, p. 79.
Cleptes semiaurata Dahlbom, Dispos. method, Hymen, H. 1845 p. 2 n. 4, C. 5.
Cleptes semiaurata Brullé, Hist. nat. insect. Hymén. IV. 1846 p. 55, 5; T. 37 F. 2.
Chrysis Cleptes semiaurata Blanchard, Cuvier: Régne anim. Ed. 3a Insect. II, 1849 T.116F.7.
Cleptes semiaurata Dahlbom, Hymen. Europ. II. 1854 p. 15 n. 3, ⊈ 3; T. 1 F. 3-11.
Cleptes semiaurata Schenck, Jahrb. Ver. Naturk. Nassau XI, 1856 p. 71 n. 40, \subseteq 5.
Cleptes semiaurata Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 545 n. 1, ⊆ 5.
Cleptes semiaurata Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 62, ⊆ 5.
Cleptes semiaurata Desmarest, Chenu Enevel, hist, nat. Annelles 1860 p. 160; F. 138.
Cleptes semiaurata Dumeril, Mém. acad. sc. Paris XXXI. 1860 p. 868 n. 2.
Cleptes semiaurata Chevrier, Descr. Chrysid, Léman 1862 p. 117, & 3.
Cleptes semiaurata Smith. Entomol. Annual f. 1862 p. 83 n. 1, \subseteq 5.
Cleptes semiaurata Taschenberg, Hymen, Deutschl. 1866 p. 149, ⊆ 3.
Cleptes semiaurata Schenck, Progr. Gymnas. Weilburg 1870 p. 14 n. 33, ≤ 5.
Cleptes semiaurata Thomson, Opusc. entom. P. 2. 1870 p. 102 n. 2. ⊆ 3.
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Cleptes semiaurata H. Müller, Befrucht. d. Blumen 1873 p. 464.

Cleptes semiaurata Smith, Trans. Entom. Soc. London 1874 p. 451 n. 1.

Cleptes semiaurata Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 16,  $\subseteq\ \mathfrak{Z}$ 

Cleptes semiaurata Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 156.

Cleptes semiaurata Lamprecht, Goldwesp. Deutschlands 1881 p. VI n. 2, & 3.

Cleptes semiauratus Mocsáry, Chrysid. faun. Hungar. 1882 p. 19 n. 2. Q 3.

Cleptes semiaurata Heyden. Ber. Schekenberg. naturf. Ges. 1881/82 p. 252 n. 25.

Cleptes semiauratus Fletcher. Entom. M. Magaz. XX. 1883 p. 71.

Cleptes semiauratus Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 28, 93; T. 3 F. 1.

Cleptes semiaurata Meunier, Natural. Sicil. VIII. 1888 p. 50.

Cleptes semiauratus Mocsáry, Monogr. Chrysid. 1889 p. 47 n. 14, 💲 🕏.

Cleptes semiauratus Frey-Gessner, Bull. soc. Murith. XVI, XVIII. 1890 p. 54. 🔾 🗦.

semicyaneus Tourn. — 3 — Eur.: Russia.

Cleptes semicyanca Tournier, Ann. soc. entom. Belgique XXII, 1879 p. 88, 5.

Cleptes semicyaneus Mocsáry, Monogr. Chrysid. 1889 p. 51 n. 17. 3.

speciosus Aar. —  $\subseteq$  — Am.: Montana.

Cleptes speciosa Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 212. Ç.

Cleptes speciosa Provancher, Addit. faun. Canada. Hymén. 1887 p. 223 n. 2. Ç.

Cleptes speciosus Mocsáry, Monogr. Chrysid. 1889 p. 55 n. 21, ⊆.

syriacus Buyss. — 3 — As.: Syria.

Cleptes Syriaca Buysson, Rev. d'entom. VI. 1887 p. 8, 3.

Cleptes Syriacus Mocsáry, Monogr. Chrysid. 1889 p. 54 n. 20, 3.

viridis Grav.! - Eur.?

Cleptes viridis Gravenhorst, Vergl. Übers. 200<br/>l. System. 1807 p. 270 n. 3808. xanthomelas Mocs. —  $\zeta$  — Am.: Brasilia.

Cleptes xanthomelas Mocsáry, Monogr. Chrysid. 1889 p. 36 n. 2, 4; T. 1 F. 10.

#### HETEROCOELIA

Dahlbom, Hymen. Europ. II. 1854 p. 21 n. 2. čiegos, diversus; zoižia, venter.

Synon.: Cleptes Dahlbom.

nigriventris Dahlb. — 5 — Afr.: Algeria.

Cleptes nigriventris Dahlbom, Dispos. method. Hymen. II. 1845 p. 1 n. 1, 3. Heterococlia nigriventris Dahlbom, Hymen. Europ. II. 1854 p. 22 n. 7; T. 1 F. 15 & 16. Heterococlia nigriventris Mocsáry, Monogr. Chrysid. 1889 p. 60 n. 29. 3.

#### 4. Subfam. Allocoeliinae

Mocsáry, Monogr. Chrysid. 1889 p. 61.

#### ALLOCOELIA

Mocsáry. Monogr. Chrysid. 1889 p. 62 n. 4. ἄλλος, alius; κοιλία, venter.

Synon.: Anthracias Klug, Ber. Akad. Wiss. Berlin 1839 p. 2 n. 3 [nec Dejean 1833, nec àrthocaias, carbonarius. [Redtenbacher 1859].

capensis Smith Mocs. —  $\subseteq$  — Afr.: Cap.

Anthracias Capensis Smith, Trans. Entom. Soc. London 1874 p. 455 n. 1, C.

Allocoelia Capensis, Mocsáry, Monogr. Chrysid. 1889 p. 62 n. 30, ⊆.





Ellampus. 7

#### 5. Subfam. Ellampinae

Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 210.

#### **ELLAMPUS**

Spinola, Insect. Ligur. I. 1806 p. 10 n. 4 Elampus.. Mocsáry, Monogr. Chrysid. 1889 p. 63. ἐλλάμπω, illuceo.

Synon.: Homalus Panzer, Faun. Insect. German. VIII. 1805 P. 85.
[s. descr.; nec Jur., sed auct. plur. Omalus].
Dahlbom, Hym. Europ. II. 1854 p. 26 n. 3 [p. p.; nec Jurine].

δυαλός, similis.

Chrysis Linné & auct. ant. Hedychrum Panzer, Shuckard.

Holopyga Dahlbom.

Sphex Linné & auct. ant.

Vespa Geoffroy & auct.

Subg.: Diplorrhos Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 212 & 216.  $\delta\iota\pi\lambda\sigma\tilde{v}_S$ , duplex:  $\delta\sigma\tilde{v}_S$ , canalis.

Holophrys Mocsáry, Termész, Füzet, XIII, 1890 p. 51 Holophris. δλος, integra; δφούς, margo.

Notozus Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 331. rῶτος, dorsum; ὄζω, oleo.

Philoctetes Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 27. Philoctetes, nom. propr. mythol.

aeneus (Fabr., Spin. 1) —  $\subsetneq$   $\circlearrowleft$  — Eur. fere tota; As.: Caucasus, Turcestania; Afr.: Algeria. Chrysis aenea Fabricius, Mant. Insect. I. 1787 p. 284 n. 15.

Chrysis aenca Villers. C. Linnaei Entom. III. 1789 p. 552.

Chrysis aenea Gmelin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2746 n. 17.

Chrysis aenea Olivier, Encycl. method. Insect. V. 1790 p. 675 n. 17.

Sphex 'Chrysis coerulea Christ, Naturg, d. Insect. 1791 p. 308; T. 30 F. 6.

Chrysis aenea Fabricius, Entom. system. II. 1793 p. 242 n. 17.

Chrysis aenea Panzer, Faun. Insect. German. V. 1798 P. 51; T. 7.

Chrysis aenea Coquebert, Illustr. iconogr. Insect. II. 1801 p. 60; T. 14 F. 9.

Chrysis acnea Fabricius, Syst. Piez. 1804 p. 175 n. 24.

Omalus aeneus Panzer, Faun. Insect. German. VIII. 1805 P. 85 T. 13. 5.

Hedychrum aeneum Panzer, Krit. Revis. II. 1806 p. 104, ♂ [excl. ⊊].

Hedychrum nitidulum Panzer, Krit. Revis. II. 1806 p. 104, 3.

Elampus aeneus Spinola, Insect. Ligur. I. 1806 p. 11.

Chrysis aenea Jurine. Nouv. méth. class. Hymén. 1807 p. 296. 5.

Chrysis aenea Dahlbom, Monogr. Chrysid, Suec. 1829 p. 17 n. 16,  $\subseteq$  5.

Chrysis coerulea var. b Dahlbom, Exercit. Hymen. P. 3, 1831 p. 33 n. 17, & 5.

Hedychrum bidentulum var. 2-1 Shuckard, Entom. Magaz. IV. 1836 p. 175.

Elampus affinis Wesmael. Bull. acad. sc. Belgique VI. 1, 1839 p. 172 n. 3.

Omalus aeneus Dahlbom, Dispos. method. Hymen. II. 1845 p. 5 n. 2. & 3.

Elampus chlorosoma Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 311 n. 353.

<sup>1</sup> Hym.: Cemonus unicolor Jur. Schenck.

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<sup>&</sup>lt;sup>1</sup> Hym.: Nematus ribesii Seop. Bouché. Trypoxylon figulus L. Dufour & Perris, Cemonus unicolor Jur. Smith & auct., Philanthus triangulum Fbr. Latreille. Cerceris ornata Fbr. Walckenaer.

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<sup>1</sup> Hym. Trypoxylon figulus L. (Buysson).





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caudatus (Ab.) Moes. — ♀ ♂ — Afr.: Algeria.

<sup>1)</sup> Hym.: Psen caliginosus Westw. (Westwood).

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Ellampus (Notozus Gayi Mocsáry, Monogr. Chrysid, 1889 p. 79 n. 53; T. 1 F. 28.





horváthii Mocs. — 💲 — Eur.: Austria, Hungaria, Russia. Ellampus Wesmaeli Mocsáry, Chrysid, faun. Hungar, 1882 p. 27 n. 7, & 3 nec Chevr. . Ellampus Horváthi Mocsáry, Monogr. Chrysid. 1889 p. 82 n. 59, 9. 3. hyalinus (Aar. Moes. —  $\subsetneq$  — Am.: Montana, Nevada. Notozus hyalinus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 218, Q. Ellampus (Notozus hyalinus Mocsáry, Monogr. Chrysid, 1889 p. 77 n. 47, C. imbecillus Mocs. — ⊆ — As.: Persia, Turcestania. Ellampus imbeeillus Mocsáry, Monogr. Chrysid. 1889 p. 98 n. 77, C. - intermedius Aar., Mocs. — 3 — Am.: Montana. Notozus intermedius Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 218. 3. Ellampus intermedius Mocsáry, Monogr. Chrysid 1889 p. 105 n. 89, 3. iridescens Nort. — ⊊ 3 — Am.: Canada, United States. Elampus iridescens Norton, Trans. Amer. Entom. Soc. VII. 1579 p. 234. 3. Elampus marginatus Provancher, Natural. Canad. XII. 1881 p. 304 n. 6, 9 nec Patton . Elampus marginatus Provancher, Faun. entom. Canada. Hymén. 1883 p. 583 n. 6, C. Omalus iridescens Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 213, C 3; T. 6 F. 3. Omalus iridescens Provancher, Addit. faun. Canada. Hymén. 1887 p. 219 n. 1. Ellampus iridescens Mocsáry, Monogr. Chrysid. 1889 p. 105 n. 90, Ç. kohlii Mocs. — 3 — Eur.: Tirolia. Ellampus Notozus) Kohlii Mocsáry, Monogr. Chrysid. 1889 p. 70 n. 37, 3. leviventris Cress. Nort. —  $\subseteq \mathcal{Z}$  — Am.: Canada, United States. Omalus laeviventris Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 303, Q. Elampus laeviventris Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 234, Q. Omalus laeviventris Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 214,  $\subsetneq$  5; T. 6 F. 5-7. Omalus laeviventris Provancher, Addit. faun. Canada. Hymén. 1887 p. 219 n. 2. Ellampus laeviventris Mocsáry, Monogr. Chrysid. 1889 p. 101 n. 81, & 3. rar. eyanescens Prov. —  $\subseteq$  — Am.: Canada. Elampus cyanescens Provancher, Natural. Canad. XII. 1881 p. 303 n. 4, Ç. Elampus cyanescens Provancher, Faun. entom. Canada. Hymén. 1883 p. 582 n. 4, Ç. Ellampus laeviventris var. cyanescens Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 214. longicornis (Tourn.) m. — Eur.: Helvetia. Notozus longicornis Tournier, Soc. entom. III. 1889 p. 185. Notozus longicornis Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 58, nota. Notozus longicornis Frey-Gessner, Mittheil. Schweiz. entom. Ges. VIII. 4, 1890 p. 161. magrettii Buyss. —  $\subsetneq$  — As.: Syria. Elampus Magrettii Buysson, Ann. mus. civ. Genova XXIX. 1890 p. 532 n. 23, Ç. marginatus Patt. Mocs. — 3 — Am.: Canada, United States. Notozus marginatus Patton, Canad. Entomol. XI. 1879 p. 66 nec Provancher]. Elampus viridis Provancher, Natural. Canad. XII. 1881 p. 303 n. 3, 5. Elampus viridis Provancher, Faun. entom. Canada. Hymén. 1883 p. 582 n. 3, 3. arginellus Mocs. — ⊊ — As.: Sumatra.
Ellampus (Holophrys marginellus Mocsáry, Termész. Füzet. XIII. 1890 p. 51 n. 12, ⊊.

Elampus Medanae Buysson, Ann. mus. civ. Genova XXIV (1900)
exicanus Mocs. — ⊊ 3 — Am.: Mar.

Ellampus Nota marginellus Mocs. — — As.: Sumatra.

medanae Buyss. — ⊆ — As.: Syria.

mexicanus Mocs. — ⊊ 3 — Am.: Mexico.

Ellampus Notozus) Mexicanus Monogr. Chrysid. 1889 p. 72 n. 40, & 3.

micans Klug. —  $\subseteq$  5 — Eur.: Andalusia.

Elampus micans Klug. Waltl: Reise d. Tirol etc. 1835 P. 2. p. 90.

Elampus micans Silbermann. Rev. entom. IV. 1837 p. 159. Holopyga micans Dahlbom, Hymen. Europ. II. 1854 p. 55 n. 29. Holopyga cicatrix Abeille, Diagn. Chrysid, nouv. 1878 p. 2 n. 5. Holopyga cicatrix Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 27 & 28; T. 1 F. 7. Holopyga cicatrix Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 39 n. 8, Ω. Philoctetes micans Buysson, Rev. d'entom. VI. 1887 p. 172, 3. Ellampus Philoctetes micans Mocsáry, Monogr. Chrysid. 1889 p. 108 n. 92, Q. mocsaryi Rad. — Q — As.: Mongolia. Elampus Mocsaryi Radoszkowski. Horae soc. entom. Ross. XX. 1887 p. 45, Q! Ellampus (Notozus) Mocsaryi Mocsáry, Monogr. Chrysid. 1889 p. 80 n. 55, Q. montanus Mocs. — 3 — As.: Armenia. Ellampus (Notozus) montanus Mocsáry, Termész. Füzet. XII. 1890 p. 49 n. 7, 3. nanus | Saund.! Mocs. 1 - Eur.: Ins. Jonicae. Homalus nanus S. Saunders, Trans. Entom. Soc. London 1873 p. 411. Ellampus nanus Mocsáry, Monogr. Chrysid. 1889 p. 83 n. 60. nitidus (Aar.) Mocs. — 3 — Am.: Montana, California. Notozus nitidus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 218, 3. Notozus nitidus Provancher, Addit. faun. Canada. Hymén. 1887 p. 222 n. 1. Notozus nitidus Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen. I. p. 458 n. 1; T. 20 F. 3. Ellampus Notozus nitidus Mocsáry, Monogr. Chrysid. 1889 p. 72 n. 39, 3. obesus Mocs. — 3 — As.: Transcaspia. Ellampus obesus Mocsáry, Termész. Füzet. XIII. 1890 p. 48 n. 5, 3. omaloides (Buyss.) Mocs. — 3 — Afr.: Algeria. Philoctetes omaloides Buysson, Rev. d'entom. VII. 1888 p. 1 n. 1, 3. Ellampus (Philoctetes) omaloides Mocsáry, Monogr. Chrysid. 1889 p. 111 n. 96, 5. parvulus Dahlb.) Gog. — 9 3 — Eur.: Hispania, Lusitania, Baleares. Omalus parvulus Klug Dahlbom, Hymen. Europ. II. 1854 p. 31 n. 9. Omalus parvulus Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 18 & 23. Elampus parvulus Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 34 n. 4. Ellampus parvulus Mocsáry, Monogr. Chrysid. 1889 p. 88 n. 67, ⊆ ♂. perezii Gog. — Eur.: Hispania. Elampus Perezii Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 30. plicatus (Aar.: Mocs. — ⊊ ♂ — Am.: Montana, Colorado. Diplorrhos plicatus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 216, Q 3; T. 6 F. 18. Ellampus (Diplorrhos) plicatus Mocsáry, Monogr. Chrysid. 1889 p. 81 n. 58, Q 3; T. 1 F. 29. politus (Buyss.) Mocs. —  $\mathcal{Q} \mathcal{B}$  — Eur.: Gallia; As.: Syria; Afr.: Aegyptus. Omalus politus Buysson, Revue d'entom. VI. 1887 p. 168 n. 1, \( \sigma \). Ellampus politus Mocsáry, Monogr. Chrysid. 1889 p. 89 n. 70, Q 3. [Dahlbom]. productus (Aar.) Moes. —  $\subsetneq$  — Am.: Montana. Notozus productus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 219, ⊊; T. 7 F. 23 & 24 [nec Ellampus (Notozus) productus Mocsáry, Monogr. Chrysid. 1889 p. 78 n. 51,  $\Omega$ ; T. 1 F. 14. puncticollis Mocs. —  $\subsetneq \circlearrowleft$  — Eur.: Germania. Elampus puncticollis Mocsáry, Entom. Nachr. XIII. 1887 p. 291, Q 3. Ellampus puncticollis Mocsáry, Monogr. Chrysid. 1889 p. 99 n. 78, Q 3. var. atratus Mocs. — ⊊ 3 — Eur.: Germania. Elampus puncticollis var. atratus Mocsáry, Entom. Nachr. XIII. 1887 p. 291. Ellampus puncticollis var. atratus Mocsáry, Monogr. Chrysid. 1589 p. 99. punctulatus Dahlb. Frey Gessn. —♀♂ — Eur.: Gallia, Helvetia, Sardinia, Sicilia, Italia; As.:

Omalus punctulatus Dahlbom, Hymen. Europ. II. 1854 p. 33 n. 11; T.2 F.28-30 [nec Mocsáry].

<sup>1)</sup> Hym.: Solierella pisonoides Saund. (S. Saunders).





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16 Ellampus.

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sculpticollis Ab. Mocs. — \subseteq \mathcal{F} — Eur.: Gallia.
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scutellaris Panz., m.  $\frac{1}{2}$  —  $\subseteq$  5 — Eur. tota, As.: Caucasus.

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Chrysis Panzeri Fabricius, Syst. Piez. 1804 p. 172 n. 9.

Hedychrum Panzeri Panzer, Krit. Revis. II. 1806 p. 104.

Elampus Panzeri Spinola. Insect. Ligur. I. 1806 p. 11.

Chrysis Panzeri Jurine, Nouv. méth. class. Hymén. 1807 p. 296. 3.

Elampus Panzeri Latreille, Gen. Crust. & Insect. IV. 1809 p. 46.

Elampus Panzeri Lepeletier, Encycl. méthod. Insect. X. 1825 p. 7.

Chrysis Panzeri Dahlbom, Monogr. Chrysid. Suec. 1829 p. 18 n. 17, 9 3.

Chrysis Hedychrum Panzeri Dahlbom, Exercit. Hymen. P. 3. 1831 p. 36 n. 21, 9. 5.

Elampus Panzeri Shuckard, Entom. Magaz. IV. 1836 p. 176 n. 1. Elampus Panzeri Blanchard, Hist. nat. Insect. III. 1840 p. 296 excl. synon.].

Elampus Panzeri Westwood, Introd. mod. Classif. Insect. 1840 Synops. p. 79.

Elampus Panzeri Smith, Zoologist I. 1843 p. 264.

Elampus Panzeri Dahlbom, Dispos. method. hymen. H. 1815 p. 5 n. 3. \( \sigma \).

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Chrysis Elampus Panzeri Blanchard, Cuvier: Régne anim. Ed. 3a Insect. II. 1849; T.116 F.9.

Notozus Panzeri Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 331.

Elampus Panzeri Dahlbom, Hymen. Europ. H. 1854 p. 45 n. 21; T. 3 F. 47-53.

Notozus Panzeri Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 63 & 69 n. 33. Elampus Panzeri Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 548 n. 3.

Ellampus Panzeri Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 63.

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Elampus Panzeri Thomson, Opusc. entom. P. 2, 1870 p. 103 n. 1.

Ellampus Panzeri Schenck, Progr. Gymnas. Weilburg 1870 p. 13 n. 31.

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Elampus Panzeri Frey-Gessner, Hymen Helvet Chrysid, 1887 p. 32 & 33; T. 3 F. 10. Elampus Panzeri Meunier, Natural, Sicil, VIII, 1888 p. 52.

Elampus Panzeri Radoszkowski, Horac soc. entom. Ross. XXIII. 1888 p. 8. 3; T. 1 F. 8. Ellampus Notozus Panzeri Mocsáry, Monogr. Chrysid. 1889 p. 69 n. 36, 4. 5; T. 1 F. 20 & 26.

Ellampus (Notozon) Panzeri Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 58 & 60. rar. affinis Schek. — Eur.: Germania.

Notozus afrinis Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 64 & 69 n. 34.

Notozus Panzeri var. affinis Schenck, Progr. Gymnas. Weilburg 1870 p. 13.

Notozus Panzeri var. affinis Lamprecht, Goldwesp. Deutschlands 1881 p. XXV n. 89. rar. constrictus Först. — 5 — Eur.: Germania.

Notozus constrictus Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 336 n. 90, 3. Notozus constrictus Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 84 n. 10.

Notozus constrictus Lamprecht, Goldwesp. Deutschlands 1881 p. XXV n. 87; Tab. F. 28.

<sup>1]</sup> Hym.: Mimesa bicolor Jur. (Schenck).

Sa Backers, 1892 Wien. Cat. Zet. vol. 11 p. 318



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var. elongatus Schek. — Eur.: Germania.
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Notozus pulehellus Sehenek, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 66 & 69 n. 36.

Notozus Panzeri var. pulchellus Schenck, Progr. Gymnas. Weilburg 1870 p. 13.

Notozus Panzeri var. pulchellus Lamprecht, Goldwesp. Deutschlands 1881 p. XXV n. 89. semicircularis Aar., Mocs. — 3 — Am.: Colorado.

Omalus semicircularis Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 215, 3; T. 6 F. 12. Ellampus semicircularis Mocsáry. Monogr. Chrysid. 1889 p. 103 n. 84, 3; T. 1 F. 15.

-seminudus Aar. Mocs. — ♀ ♂ — Am.: Washington Territ.

Notozus seminudus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 218. ⊆ ♂; T. 7 F. 25.

Ellampus Notozus seminudus Mocsáry, Monogr. Chrysid. 1889 p. 76 n. 46, ⊆ ♂.

similis Mocs. — 3 — Eur.: Hungaria.

Ellampus similis Mocsáry, Monogr. Chrysid. 1889 p. 96 n. 75, 3.

-sinuosus (Say) Nort. — ⊊ — Am.: Illinois, Colorado, Montana, California, Canada.

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Hedychrum sinuosum Leconte, Writ. of Th. Say Entom. I. 1859 p. 384.

Elampus sinuosum Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 234,  $\subseteq$ .

Elampus purpurascens Provancher, Natural. Canad. XII. 1881 p. 303 n. 5, ⊊.

Elampus purpurascens Provancher, Faun. entom. Canad. Hymén. 1883 p. 582 n. 5, ⊊.

Omalus sinuosus Aaron, Trans. Amer. Entom. Soc. XII. 1855 p. 214, C; T. 6 F. 8.

Omalus sinuosus Provancher, Addit. faun. Canada Hymén. 1887 p. 219 n. 3.

Ellampus sinuosus Mocsáry. Monogr. Chrysid. 1889 p. 103 n. 85.

socius Mocs. — 3 — Afr.: Algeria.

Ellampus socius Mocsáry, Monogr. Chrysid. 1889 p. 88 n. 68, 3.

soror Mocs.  $- \subseteq -$  Eur.: Istria.

Ellampus (Notozus soror Mocsáry, Monogr. Chrysid. 1889 p. 68 n. 34, ⊆.

speculum (Say) Nort. — 5 — Am.: Indiana, Illinois.

Hedychrum speculum Say, Boston Journ. Nat. Hist. I. 3. 1836 p. 285 n. 2, 3.

Hedychrum speculum Leconte, Writ. of Th. Say Entom. II. 1859 p. 730 n. 2, 3.

Elampus speculum Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 234. 5.

Elampus speculum Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 216, 5; T. 6 F. 17.

Elampus speculum Provancher, Addit. faun. Canada. Hymén. 1887 p. 221 n. 2, Ç.

Ellampus speculum Mocsáry, Monogr. Chrysid. 1889 p. 105 n. 88, 3. spina (Lep.) Guér. — 9 3 — Eur. mer.

Blanchard

Hedychrum spina Lepelctier. Ann. mus. hist. nat. VII. 1806 p. 121 n. 2, 3; T. 7 F. 2 & 3 [nee Elampus spina Guérin, Iconogr. régn. anim. VII. Insect. 1845 p. 419 [excl. synon.]. Notozus Frivaldszkyi Förster. Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 332 n. 87, ⊆! Elampus productus Dahlbom. Hymen. Europ. II. 1854 p. 44 n. 20; T. 3 F. 46 [nec Aaron]. Notozus productus Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 67 & 69 n. 38. Elampus productus Eversmann, Bull. soc. natural. Moscou XXX. 4. 1857 p. 547 n. 1.

Elampus spina Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 63.

Elampus productus Radoszkowski, Horac soc. entom. Ross. III. 1866 p. 299 n. 10; T. 2 F. 6.

Elampus productus Thomson. Opusc. entom. P. 2. 1870 p. 103 n. 2,  $\subseteq$   $\circlearrowleft$  .

Omalus productus Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 18 & 19; T. 1 F. 1.

Ellampus productus Schenck. Progr. Gymnas. Weilburg 1870 p. 13 n. 30.

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Notozus productus Lamprecht, Goldwesp. Deutschlands 1881 p. XXV n. 86.
  Ellampus Frivaldszkvi Mocsáry, Chrysid, faun. Hungar, 1882 p. 24 & 80 n. 2, Q &; T. 1 F. 2.
  Elampus Frivaldszkvi Frey-Gessner, Hymen, Helvet, Chrysid, 1887 p. 33.
  Elampus productus Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 32 n. 2.
  Elampus Sanzii Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 32 & 33 n. 3.
  Ellampus Frivaldszkvi Destefani, Natural, Sieil, VII, 1888 p. 116.
  Ellampus Notozus spina Mocsáry. Monogr. Chrysid. 1889 p. 67 n. 33, Q 3.
  Ellampus (Notozus Sanzii Mocsáry, Monogr. Chrysid. 1889 p. 71 n. 38.
  Ellampus (Notozus spina Frey-Gessner, Bull. soc. Murith, XVI./XVIII, 1890 p. 58 & 59.
spinipes Mocs. — C — As.: Mongolia.
  Ellampus (Notozus spinipes Mocsáry, Termész, Füzet, XIII, 1890 p. 49 n. 6, C.
tiberiadis Buyss.) Mocs. — ⊊ ♂ — As.: Syria.
  Philoctetes Tiberiadis Abeille, Buysson, Rev. d'entom. VI. 1887 p. 171, & 3.
  Ellampus (Philoctetes Tiberiadis Mocsáry, Monogr. Chrysid. 1889 p. 110 n. 95, & 3.
tournieri D. T. — Eur.: Russia.
  Notozus viridis Tournier, Soc. entom. IV. 1889 p. 1. \(\mathcal{Q}\) \(\frac{1}{3}\) [nec Cresson].
  Ellampus Tournieri Dalla Torre, Wien, entom. Zeitg. XI, 1892 p. 93.
truncatus Dahlb. — ⊆ 3 — Eur. fere tota; As.: Caucasus, Turcestania; Afr.: Aegyptus.
  Chrysis Hedychrum truncata Dahlbom, Exercit. Hymen. P. 3, 1831 p. 35 n. 18, 3.
  Elampus v.olaceus Wesmael, Bull. acad. sc. Belg. VI. 1, 1839 p. 171 n. 2 [p. p.].
  Elampus minutus Dahlbom, Dispos. method. Hymen. II. 1845 p. 5 n. 2 [nec Wesmael].
  Elampus truncatus Dahlbom, Hymen. Europ. II. 1854 p. 42 n. 18; T. 3 F. 43 & 44.
  Elampus truncatus Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 82 n. 7.
  Elampus truncatus Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 549 n. 6.
  Elampus truncatus Courtiller. Ann. soc. Linn. Maine-et-Loire III. 1858 p. 63.
  Elampus truncatus Chevrier, Descr. Chrysid. Léman 1862 p. 111. Q 3.
  Elampus truncatus Radoszkowski, Horac soc. entom. Ross. III. 1866 p. 299 n. 8; T. 2 F. 5.
  Elampus cocruleus Thomson, Opusc. entom. P. 2. 1870 p. 104 n. 3.
  Ellampus truncatus Schenck, Progr. Gymnas. Weilburg 1870 p. 16 n. 29.
  Elampus truncatus Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877 p. 4 n. 7.
  Omalus truncatus Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 15 & 22; T. 1 F. 3.
  Notozus truncatus Lamprecht, Goldwesp. Deutschlands 1881 p. XXIV n. 82.
  Omalus truncatus Heyden, Ber. Senckenberg, naturf. Ges. 1881-82 p. 245 n. 2.
  Ellampus truncatus Mocsáry, Chrysid. faun. Hungar. 1882 p. 28 & 80 n. 9, Q 3.
  Elampus truncatus Frey-Gessner, Hymen, Helvet, Chrysid, 1887 p. 32 & 33.
  Ellampus truncatus Moesáry, Monogr. Chrysid. 1889 p. 95 n. 74. \(\sigma\) \(\frac{1}{3}\).
  Ellampus truncatus Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 58 & 62.
var. anomalus Först. — 3 — Eur.: Germania.
  Notozus anomalus Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 337 n. 91, 3.
  Notozus anomalus Schenck, Jahrb. Ver. Naturk. Nassau XI, 1856 p. 84 n. 11.
  Ellampus anomalus Schenck, Progr. Gymnas. Weilburg 1870 p. 16 n. 30.
  Notozus anomalus Lamprecht, Goldwesp. Deutschlands 1881 p. XXIV n. 83.
turkestanieus Mocs. — ⊆ — As.: Turcestania.
  Ellampus Turkestanieus Mocsáry, Monogr. Chrysid. 1889 p. 101 n. 80.
variatus Aar. — ♀ ♂ — Am.: Montana, Colorado.
  Elampus variatus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 215, Ç 5; T. 6 F. 13-15.
  Ellampus variatus Mocsáry, Monogr. Chrysid. 1889 p. 104 n. 87, Q 3.
versicolor Nort. — Am.: Dakota, Montana.
  Elampus versicolor Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 235, 3.
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Ellampus.

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Notozus versicolor Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 218; T. 6 F. 19 & 20.
 Ellampus (Notozus versicolor Mocsáry, Monogr. Chrysid, 1889 p. 77 n. 48.
violaceus (Scop.) Wesm. — Q 3 — Eur. tota; As.: Caucasus, Turcestania.
 Sphex violacea Scopoli, Entom. Carn. 1793 p. 298 n. 793; T. 42 F. 793.
 Chrysis bidentata Degecr. Mém. hist. insect. II. 2, 1771 p. 837 n. 2; T. 29 F. 3-5 [nec Linné].
 Chrysis bidentata Götze, Degeer: Abh. Gesch. Insect. II. 2, 1779 p. 159 n. 2; T. 29 F. 3-5.
 Chrysis coerulea Retzius, Gen. & spec. Insect. 1783 p. 66 n. 259 [excl. synon.].
 Chrysis micans Olivier, Encycl. méthod. Insect. V. 1790 p. 677 n. 24 | nec Dahlboml.
 Chrysis violacea Rossi, Fauna Etrusca II. 1790 p. 77 n. 848 [nec Panzer].
 Chrysis violacea Christ. Naturg. d. Insect. 1791 p. 405.
 Omalus nitidus Panzer, Faun. Insect. German. IX. 1805 P. 97 T. 17, Q.
 Hedychrum nitidum Panzer, Krit. Revis. II. 1806 p. 105 [excl. 3].
 Hedvehrum coerulescens Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 122 n. 10, 93; T. 7 F. 10.
 Chrysis violacea C. Huber, Vollst. Naturg. d. Bau- & Baumhölzer I. 4, 1807 p. 135.
 Chrysis violacea Illiger, Rossi: Fauna Etrusca Ed. 2a II. 1807 p. 123 n. 848 [nec Panzer].
  Chrysis nitida Jurine, Nouv. méth. class. Hymén. 1807 p. 297, 3.
  Chrysis fuscipennis Dahlbom, Monogr. Chrysid. Suec. 1829 p. 15 n. 13, Q.
 Chrysis (Hedychrum coerulea var. a Dahlbom, Exercit. Hymen. P. 3, 1831 p. 32 n. 17, Q 3.
 Hedychrum coerulescens Shuckard. Entom. Magaz. IV. 1836 p. 172 n. 3.
  Hedychrum bidentulum var. imperiale Shuckard, Entom. Magaz. IV. 1836 p. 174 n. 8.
  Elampus violaceus Wesmael, Bull. acad. sc. Belgique VI. 1. 1839 p. 171 n. 2 [p. p.].
  Hedychrum coerulescens Blanchard. Hist. nat. Insect. III. 1840 p. 296 n. 3.
  Omalus coeruleus Dahlbom, Dispos. method. Hymen. II. 1845 p. 5 n. 3, Q 3.
  Ellampus praestans Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 353 n. 99, Q.
  Omalus coeruleus Dahlbom, Hymen, Europ, II, 1854 p. 34 n. 12; T. 2 F. 31 & 32.
  Elampus coeruleus Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 82 n. 6.
  Omalus coeruleus Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 547 n. 3.
  Omalus coeruleus Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 63.
  Elampus Omalus, violaceus Chevrier, Descr. Chrysid. Léman 1862 p. 103, Q.
  Omalus coeruleus Smith. Entomol. Annual f. 1862 p. 102 n. 2.
  Omalus coeruleus Thomson. Opusc. entom. P. 2. 1870 p. 103 n. 2.
  Ellampus violaceus Schenck, Progr. Gymnas. Weilburg 1870 p. 16 n. 28.
  Omalus coeruleus Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 3 n. 4.
  Omalus coeruleus Abeille. Ann. soc. Linn. Lvon XXVI. 1879 p. 18 & 24; T. 1 F. 6.
  Elampus coeruleus Lamprecht, Goldwesp. Deutschlands 1881 p. XXIII n. 78.
  Omalus coeruleus Heyden. Ber. Senckenberg. naturf. Ges. 1881/82 p. 246 n. 6.
  Ellampus coerulescens Mocsáry, Chrysid. faun. Hungar. 1882 p. 31 & 80 n. 13, 3.
  Elampus violaceus Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 32 & 34.
  Ellampus violaceus Destefani, Natural. Sicil. VII. 1888 p. 116 & 215.
  Ellampus violaceus Mocsáry, Monogr. Chrysid. 1889 p. 106 n. 91, ⊊ ♂.
  Ellampus violaceus Frey-Gessner, Bull. soc. Murith. XVI. 1890 p. 59 & 63.
var. virens Mocs. — Eur.: Germania: As.: Caucasus.
  Ellampus violaceus var. virens. Mocsáry, Monogr. Chrysid. 1889 p. 107.
violascens Mocs. — \Omega — As.: Turcestania.
  Ellampus (Notozus) violascens Mocsáry, Monogr. Chrysid. 1889 p. 81 n. 57, Ç.
viridicyaneus Nort. — Q — Am.: Canada. United States.
  Elampus viridicyaneus Norton. Trans. Amer. Entom. Soc. VII. 1879 p. 235. Q.
  Elampus spinosus Provancher, Natural. Canad. XII. 1881 p. 302 n. 1, C!
  Elampus coruscans Provancher, Natural. Canad. XII. 1881 p. 303 n. 2, Q!
  Elampus spinosus Provancher, Faun. entom. Canad. Hymén. 1883 p. 581 n. 1, Q.
  Elampus coruscans Provancher, Faun. entom. Canad. Hymén. 1883 p. 582 n. 2, Q [nec Norton].
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Notozus viridicyancus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 219, ⊆; T. 6 F. 21. Notozus viridicyaneus Provancher, Addit. faun. Canada. Hymén. 1887 p. 222 n. 2. Ellampus Notozus, viridicyaneus Mocsáry, Monogr. Chrysid, 1889 p. 77 n. 49, C; T. 1 F. 17.

viridis Cress. — 3 — Am.: Cuba.

Elampus viridis Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 103, 3? Elampus viridis Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 235. Ellampus (Notozus, viridis Mocsáry, Monogr. Chrysid. 1889 p. 78 n. 52, 3?

wesmaelii Chevr. — 🔾 3 — Eur. fere tota: As.: Sibiria.

Elampus pusillus Wesmael, Bull. acad. sc. Belgique VI. 1, 1839 p. 173 n. 4! [p. p.]. Elampus bidentulus var. a Klug) Dahlbom, Hymen. Europ. II. 1854 p. 39 n. 15. Elampus bidentulus Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 59 & 61 n. 31 [excl.var.]. Elampus (Omalus) Wesmaeli Chevrier, Descr. Chrysid. Léman 1862 p. 110 [nec Mocs.]. Ellampus bidentulus var. aa. Schenck. Progr. Gymnas. Weilburg 1870 p. 13 n. 28. Omalus Wesmaeli Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 18 & 22; T. 1 F. 1. Omalus Wesmaeli Heyden, Ber. Senckenberg, naturf. Ges. 1881/82 p. 245 n. 3. Elampus Wesmacli Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 32 & 33. Elampus bidentulus var. Wesmacli Mcunier, Natural. Sicil. VIII. 1888 p. 52. Ellampus Wesmacli Destefani, Natural. Sicil. VII. 1888 p. 117. Ellampus Wesmaeli Mocsáry, Monogr. Chrysid. 1889 p. 85 n. 64, 9 3. Ellampus Wesmacli Frey-Gessner, Bull. soc. Murith. XV./XVIII. 1890 p. 59 & 61.

## 6. Subfam. Hedychrinae

Mocsáry, Monogr. Chrysid. 1889 p. 113 n. 5.

## HOLOPYGA

Dahlbom, Hymen. Europ. II. 1854 p. 47 n. 5. Mocsáry, Monogr. Chrysid. 1889 p. 114.  $\delta \lambda o \varsigma$ , totus;  $\pi \dot{\nu} \gamma \eta$ , anus.

Synon .: Pseudohedychrum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 27 [Pseudhedy-[chrum]. ψευδίς, falsus; Hedychrum, nom. propr. Hymen.

Chrysis Coquebert, Dahlbom.

Ellampus Klug, Förster.

Hedychrum Latreille & auct. plur.

Subg.: Hedychridium Abeille, Diagn. Chrysid. nonv. 1879 p. 3 n. 10.

ahenea (Dahlb.) Mocs. — 3 — Eur.: Russia, Graecia; As.: Caucasus. Hedychrum aheneum (Pallas) Dahlbom, Hymen. Europ. II. 1854 p. 72 n. 41. Hedychrum callosum Radoszkowski, Hor. soc. entom. Russ. XII. 1876 p.108 n. 33, 5! T. 2 Fig. Hedychrum ahencum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 35 & 37. [D & E. Holopyga (Hedychridium) ahenea Mocsáry, Monogr. Chrysid. 1889 p. 146 n. 147, 3. algira Mocs. — 3 — Afr.: Algeria.

Holopyga (Hedychridium) Algira Mocsáry, Monogr. Chrysid. 1889 p. 149 n. 152, 3.

amoenula Dahlb. 1) — 🗣 🐧 — Eur. tota; As.: Sibiria, Turcestania; Afr.: Algeria. Holopyga amoenula Dahlbom, Dispos. method. Hymen. II. 1845 p. 4 n. 1, 3. Hedychrum fastuosum Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 313 n. 357; T.17 F. 10. Hedychrum micans Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 313 n. 358; T. 17 F. 11.

<sup>1)</sup> Hym.: Chalicodoma muraria Fabr. (Schenck).





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Ellampus generosus Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 349 n. 97, 5.
 Holopyga ovata Pallas Dahlbom, Hymen, Europ, H. 1854 p. 51 n. 28; T.3 F. 57-61 [p. p.].
 Holopyga ovata var. amoenula Dahlbom, Hymen, Europ, II. 1854 p. 53.
 Holopyga splendida Schenck, Jahrb. Ver. Naturk. Nassau XI, 1856 p. 48 & 52 n. 23.
 Holopyga generosa Schenck, Jahrb. Ver. Naturk, NassauXI.1856p, 49&52n, 24[necSchek, 1870].
 Holopyga punctatissima Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 50 & 52 n. 26 | nec
 Holopyga ovata Schenek, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 82 n. 5 [p. p. ]. [Dahlb.].
 Holopyga ovata Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 549 n. 1 [p. p.].
 Holopyga punctatissima Courtiller, Ann. soc. Linu. Maine-et-Loire III. 1858 p. 64.
 Holopyga ovata Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 64.
 Holopyga ovata var. splendida Schenek, Jahrb. Ver. Naturk. Nassau XVI. 1861 p. 178.
 Holopyga oyata yar. generosa Schenek, Jahrb. Ver. Naturk. Nassau XVI. 1861 p. 178.
 Holopyga ovata var. punctatissima Schenck, Jahrb. Ver. Naturk. Nassau XVI. 1861 p. 178.
 Holopyga ovata Chevrier, Descr. Chrysid, Léman 1862 p. 93, ⊊ 3.
 Holopyga ovata Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 300 n. 13. ⊆ 5.
 Holopyga ovata Thomson, Opusc. entom P. 2, 1870 p. 104 n. 1.
 Holopyga ovata Schenck, Progr. Gymnas. Weilburg 1870 p. 12 n. 23 [incl. varr.].
 Holopyga angustata Schenek, Progr. Gymnas. Weilburg 1870 p. 12 n. 21 [p. p.].
 Holopyga angustata Schenek, Stettin, entom. Zeitg. XXXII, 1871 p. 255 n. 4 [p. p.].
 Holopyga ovata Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 4 n. 9 [p. p.].
 Holopyga gloriosa Abeille. Ann. soc. Linn. Lyon XXVI. 1879 p. 31 [p. p.].
 Holopyga gloriosa var. ovata Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 31.
 Holopyga gloriosa var. micans Abeille. Ann. soc. Linn. Lyon XXVI. 1879 p. 31.
 Holopyga gloriosa var. fastuosa Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 31.
 Holopyga gloriosa var. amocnula Abeille. Ann. soc. Linn. Lyon XXVI. 1879 p. 32.
 Holopyga gloriosa var. aureomaculata Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 32.
 Holopyga splendida Lamprecht, Goldwesp. Deutschlands 1881 p. XXII n. 71.
 Holopyga generosa Lamprecht, Goldwesp. Deutschlands 1881 p. XXII n. 72.
 Holopyga punctatissima Lamprecht, Goldwesp. Deutschlands 1881 p. XXII. n. 74.
 Holopyga ovata Lamprecht. Goldwesp. Deutschlands 1881 p. XXII n. 75.
 Holopyga amoenula Mocsáry, Chrysid, faun. Hungar, 1882 p. 36 & 82 n. 7, ⊊ 5; T. 1 F. 9.
 Holopyga amoenula Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 37. ⊊ 5; T. 3 F. 3.
 Holopyga gloriosa Gogorza, Ann. soc. Españ. hist. nat. XVI. 1887 p. 37 n. 6.
 Holopyga gloriosa Destefani, Natural, Sicil. VII. 1588 p. 119 & 217.
 Hedvehrum fastuosum Destefani, Natural. Sieil. VII. 1888 p. 218.
 Holopyga amoenula Moesáry. Monogr. Chrysid. 1889 p. 127 n. 121, ♀ ♂; T. 1 F. 21.
 Holopyga amoenula Tournier, Soc. entom. IV. 1889 p. 9, 9 3.
 Holopyga amoenula Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 65 & 67.
var. punctatissima Dahlb. -- Eur.: Graecia, Russia; As. minor, Caucasus. Rhodus. Syria.
  Holopyga punetatissima Dahlbom, Hymen, Europ, II. 1854 p. 50n. 27 [necSehek, & auet, german.].
 Holopyga amoenula var. punctatissima Mocsáry, Monogr. Chrysid. 1889 p. 128.
 Holopyga punctatissima Tournier, Soc. entom. IV. 1889 p. 9.
var. viridis Guér. — 3 — Eur.: Hispania; Afr.: Algeria.
 Hedychrum viride Guérin, Rev. zool. 1842 p. 150 n. 20. 3 [nec Cresson].
  Hedychrum Numidieum Lucas, Explor. sc. Algéric. Zool. III. 1846 p. 311 n. 355; T.17 F.S.
 Holopyga ovata var. numidica Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 31.
  Hedychrum Numidicum Destefani, Natural. Sicil. VII. 1888 p. 217.
  Holopyga amoenula var. viridis Moesáry. Monogr. Chrysid. 1889 p. 128. 3.
analis (Dahlb.) Moes. — Eur.: Hispania.
  Hedvehrum anale (Klug, Dahlbom, Hymen. Europ. II. 1854 p. 70 n. 40 [excl. synon.].
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Hedychridium anale Abeille, Ann. soe. Linn. Lyon XXVI. 1879 p. 35 & 36.

Hedychridium anale Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 45 n. 15. Holopyga (Hedychridium) analis Mocsáry, Monogr. Chrysid. 1889 p. 141 n. 141. ardens (Coqu.) Mocs. 1) —  $\subsetneq \circlearrowleft$  — Eur. fere tota.

Chrysis ardens (Latreille) Coquebert, Illustr. iconogr. Insect. II. 1801 p. 59; T. 14 F. 7. Hedychrum ardens Spinola, Insect. Ligur. I. 1806 p. 10.

Hedychrum minutum Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 122 n. 6, 3; T. 7 F. 9. Hedychrum ardens Curtius, Brit. Entom. I. 1824 p. 38; T. 38.

Hedychrum ardens Lepeletier, Encycl. méthod. Insect. X. 1825 p. 8.

Chrysis integra Dahlbom, Monogr. Chrysid. Suec. 1829 p. 16 n. 15, ⊊ ♂.

Chrysis (Hedychrum integra var. a & b Dahlbom, Exercit. Hymen. P. 3. 1831 p. 35 n. 20, ⊊ 3

Hedychrum ardens Shuckard, Entom. Magaz. IV. 1836 p. 172 n. 4.

Hedychrum ardens Wesmael, Bull. acad. sc. Belgique VI. 1. 1839 p. 170 n. 2.

Hedychrum integrum Dahlbom, Dispos. method. Hymen. II. 1845 p. 3 n. 5, Q 3.

Hedychrum ardens Dahlbom, Dispos. method. Hymen. II. 1845 p. 3 n. 6.

Hedychrum ardens Guérin, Iconogr. régn. anim. VII. Insect. 1845 p. 419; T. 68 F. 10. Hedychrum minutum Dahlbom, Hymen. Europ. II. 1854 p. 82 n. 46; T. 4 F. 72 & 73.

Hedychrum minutum Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 81 n. 6.

Hedvehrum minutum Eversmann, Bull. soc. natural. Moscou XXX. 4. 1857 p. 551 n. 2. Hedychrum ardens Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 66.

Hedychrum carinulatum Schenck, Jahr. Ver. Naturk. Nassau XVI. 1861 p. 178 [nec Spinola].

Hedychrum ardens Chevrier, Descr. Chrysid. Léman 1862 p. 83, © 3.

Hedychrum ardens Smith, Entomol. Annual f. 1862 p. 99 n. 3.

Hedychrum minutum Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 301 n. 15; T.2 F.8. Hedychrum minutum Thomson, Opusc. entom. P. 2. 1870 p. 105 n. 4.

Hedychrum lucidulum var. ardens Schenck, Prog. Gymnas. Weilburg 1870 p. 11.

Hedychrum minutum Schenck, Progr. Gymnas. Weilburg 1870 p. 12 n. 20.

Hedychridium minutum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 36 & 39.

Hedychrum minutum Lamprecht, Goldwesp. Deutschlands 1881 p. XXI n. 70. var.

Hedychridium minutum Heyden. Ber. Senckenberg. naturf. Ges. 1881/82 p. 248 n. 12 excl.

Hedvehrum ardens Mocsáry, Chrysid. faun. Hungar. 1882 p. 40 n. 5, ♀ お.

Hedychridium ardens Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 40 & 41,

Hedychridium minutum Mcunier, Natural. Sicil. VIII. 1888 p. 53.

Hedychrum ardens Destefani, Natural. Sicil. VII. 1888 p. 122.

Holopyga (Hedychridium) ardens Mocsáry, Monogr. Chrysid. 1889 p. 152 n. 157, Q 3.

Holopyga Hedychridium ardens Frey-Gessner, Bull. soc. Murith. XVI./XVII.1890 p.66&69. var. homoeopathica Ab. — Eur.: Gallia, Helvetia.

Hedychridium minutum var. homocopathicum Abeille, Diagn. Chrysid. nouv. 1878 p. 3 n. 13. Hedychrum minutum var. homoeopathicum Abeille, Ann. soc. Linn. Lyon XXVI. 1879p. 36&39. Hedvehrum minutum var. homoeopathicum Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 Holopyga ardens var. homoeopathicum Mocsáry, Monogr. Chrysid. 1889 p. 153. rar. infans Ab. — Eur.: Gallia.

Hedychridium minutum var. infans Abeille, Diagn. Chrysid. nouv. 1879 p. 3 n. 12. Hedychrum minutum var. infans Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 36 & 40. Holopyga ardens var. infans Mocsáry, Monogr. Chrysid. 1889 p. 153.

aspera (Brullé: Mocs. — 9 — Am.: United States.

Hedychrum asperum Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 52 n. 3, Ç.

Hedychrum asperum Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 238, ⊊ [excl. synon.]. Hedychrum violaceum var. aspera Aaron, Trans. Amer. Entom. Soc. XII. 1855 p. 223.

Holopyga aspera Mocsáry, Monogr. Chrysid. 1889 p. 121 n. 110, ⊊.

<sup>1)</sup> Hym.: Tachysphex nitidus Spin. (Dours), Odynerus sinuatus Fabr. (Rudow).





bifrons Ab. — 3 — Afr.: Algeria.

Holopyga bifrons Abeille, Diagn. Chrysid. nouv. 1878 p. 3 n. 9, 3.

Holopyga bifrons Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 28 & 31, 3; T. 1 F. 9. Holopyga bifrons Mocsáry, Monogr. Chrysid. 1889 p. 133 n. 128, 3.

buyssonii (Buyss.) Mocs. —  $\subsetneq$  — Eur.: Gallia mer.

Hedychridium Buyssoni (Abeille) Buysson, Rev. d'entom. VI. 1887 p. 173 n. 8, C.

Holopyga (Hedychridium) Buyssoni Mocsáry, Monogr. Chrysid. 1889 p. 148 n. 150,  $\subseteq$ . caerulea (Nort.) Mocs.  $-\subseteq$  Am.: Dakota, Montana.

Hedychrum coeruleum Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 239, Ç.

Hedychridium coeruleum Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 222, ⊊; T. 7 F. 33.

Holopyga Hedyehridium) coerulea Mocsáry, Monogr. Chrysid. 1889 p. 137 n. 135,  $\underline{\varsigma}$ . capensis Mocs. —  $\underline{\varsigma}$  — Afr. Cap.

Holopyga (Hedychridium) Capensis Mocsáry, Monogr. Chrysid. 1889 p. 136 n. 132,  $\varsigma$ . caspica Mocs. —  $\varsigma$  — Afr.: Reg. caspia.

Holopyga Hedychridium) Caspica Mocsáry, Termész, Füzet, XIII. 1890 p. 53 n. 15,  $\varsigma$ . chrysonota (Först.) Mocs. ) —  $\varsigma$   $\varsigma$  — Eur. centr. & mer.; As.: Sibiria, Turcestania.

Ellampus chrysonotus Förster, Verh. naturh. Verh. preuss. Rheinl. X. 1853 p. 347 n. 95, Q. Holopyga ovata var. ignicollis Dahlbom, Hymen. Europ. II. 1854 p. 52 n. 28.

Holopyga varia Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 50 & 52 n. 25.

Holopyga var. ignicollis Eversmann. Bull. soc. natural. Moscou XXX. 4. 1857 p. 549 n. 1.

Holopyga generosa Schenck, Progr. Gymnas. Weilburg 1870 p. 12 n. 24 [p. p., excl. synon.].

Holopyga angustata Schenck, Progr. Gymnas. Weilburg 1870 p. 12 n. 24 [p. p.].

Holopyga angustata Schenck, Stettin. entom. Zeitg. XXXII. 1871 p. 255 n. 4 (p. p.).

Holopyga ovata var. ignicollis Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 4. Holopyga obtusicolle (Megerle, Tournier, Mittheil. Schweiz. entom. Ges. V. 6. 1878 p. 305 n. 1.

Holopyga gloriosa var. ignicollis Abeille, Aun. soc. Linn. Lyon XXVI. 1879 p. 32.

Holopyga ignicollis Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 107.

Holopyga ovata var. ignicollis Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157. Holopyga varia Lamprecht, Goldwesp. Deutschlands 1881 p. XXII n. 73.

Holopyga chrysonota Mocsáry, Chrysid. faun. Hungar. 1882 p. 34 & 81 n. 3, & 3.

Holopyga chrysonota Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 37 & 38; T. 3 F. 3.

Holopyga gloriosa var. ignicollis Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 37.

Holopyga chrysonota Mocsáry, Monogr. Chrysid. 1889 p. 129 n. 123, Ç う.

Holopyga chrysonota Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 65 & 67. coriacea (Dahlb.) Mocs. 2) — \( \sigma \frac{1}{2} \) — Eur. centr., mer. & orient.

Hedychrum coriaceum Dahlbom, Hymen. Europ. II. 1854 p. 88 n. 50.

Hedychrum coriaceum Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 16& 47 n. 21& p. 81 n. 8. Hedychrum coriaceum Eversmann, Bull. soc. natural. Moscou XXX. 4. 1857 p. 551 n. 3.

Hedychrum coriaceum Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 67.

Hedychrum coriaceum Schenck, Jahrb. Ver. Naturk. Nassau XVI. 1861 p. 177.

Hedychrum coriaceum Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 301 n. 16; T. 3 F. 9.

Hedychrum coriaceum Schenek, Progr. Gymnas. Weilburg 1870 p. 12 n. 19.

Hedychrum eoriaceum H. Müller, Befrucht. d. Blumen 1873 p. 464.

Hedychrum minutum var. coriaceum Abeille, Ann. soc. Linn. Lyon XXVI. 1579 p. 36 & 39. Hedychrum minutum var. coriaceum Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157.

Hedychrum eoriaceum Lamprecht, Goldwesp. Deutschlands 1881 p. XX n. 64.

Hedychrum coriaceum Mocsáry, Chrysid, faun. Hungar, 1882 p. 40 & 82 n. 4, \sqrt{3}.

Hedychridium coriaceum Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 41 & 42.

<sup>1)</sup> Hym.: Cerceris fasciata Panz. Friese, Mimesa unicolor Lind. (Smith).

<sup>2)</sup> Hym.: Halietus morio Fabr., Panurgus calcaratus Scop. Rudow teste Lamprecht).

Hedvehridium minutum Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 44 n. 14 [nec auct.]. Holopyga Hedvehridium) coriacea Mocsáry, Monogr. Chrysid. 1889 p. 150 n. 154, & 3. Holopyga (Hedychridium coriacea Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 66 eribrata Klug Moes. - Eur.: Hispania. Elampus cribratus Klug, Waltl: Reise d. Tirol etc. 1835 P. 2. p. 90. Elampus cribratus Silbermann, Rev. entom. IV. 1837 p. 159. Holopyga cribrata Mocsáry. Monogr. Chrysid. 1889 p. 129 n. 122. cuprata (Dahlb.) Moes. — ⊆ — Eur.: Italia, Helvetia. Hedychrum cupratum Klug Dahlbom, Hymen, Europ, H. 1854 p. 84 n. 47, ⊊; T. 4 F. 74 & 75. Hedvchrum cupratum F. Morawitz, Horae soc. entom. Ross. V. 1867 p. 43. Hedychrum cupratum Lamprecht, Goldwesp. Deutschlands 1881 p. XXI n. 67. Hedychridium eupratum Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 40 & 42. Holopyga (Hedychridium) cupratum Mocsáry, Monogr. Chrysid. 1889 p. 153 n. 158, C. Holopyga Hedychridium) cuprata Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 66 & cupricollis Cress. Mocs.  $- \subseteq -$  Am.: Colorado. Hedychrum cupricolle Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 305 n. 2, ⊊. Hedychrum cupricolle Norton, Trans. Amer. Entom. Soc. VII. 1878 p. 237. ♀. Hedychrum eupricolle Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 223, ⊊. Holopyga eupricollis Mocsáry, Monogr. Chrysid. 1889 p. 126 n. 119, ⊆. curvata (Först.) Mocs. — ⊆ 3 — Eur. centr., mer. & orient.; Afr.: Algeria. Hedvehrum curvatum Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 344 n. 93. Hedychrum chloroideum (Zeller) Dahlbom, Hymen. Europ. II. 1854 p. 66 n. 37 [excl. synon.]. Hedychrum chloroideum Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 81 n. 2. Hedychrum chloroideum Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 66. Holopyga Sicheli Chevrier, Descr. Chrysid. Léman 1862 p. 97. Hedychrum chloroideum Schenck, Progr. Gymnas, Weilburg 1870 p. 16 n. 24. Holopyga smaragdina Tournier, Pet. nouv. entom. II. 1877 p. 105, ⊆. Holopyga chloroidea Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 28 & 32; T. 1 F. S. Holopyga chloroidea Marquet. Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157. Hedychrum chloroideum Lamprecht, Goldwesp. Deutschlands 1881 p. XX n. 61. Holopyga Sicheli Lamprecht, Goldwesp. Deutschlands 1881 p. XXII n. 75. Holopyga curvata Mocsáry, Chrysid. faun. Hungar. 1882 p. 35 & 82 n. 6, ⊆ 3. Holopyga curvata Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 37 & 39; T. 3 F. 7. Holopyga chloroidea Gogorza, Anal. soc. Españ. hist. nat. 1887 p. 38 n. 7. Holopyga curvata Destefani, Natural. Sicil. VII. 1888 p. 120. Holopyga chloroidea Radoszkowski, Horae soc. entom. Ross. XXIII. 1889 p. 10, 3: T. 1 F. 14. Holopyga curvata Moesáry. Monogr. Chrysid. 1889 p. 115 n. 99. ⊊ ♂. Holopyga curvata Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 65 & 66. cyaneiventris (Cress.) Mocs. — 3 — Am.: Cuba. Hedvehrum eyaniventre Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 104, 3. Hedyehrum eyaniventre Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 237, 3. Holopyga cyaniventris Mocsáry, Monogr. Chrysid. 1889 p. 123 n. 114, 3. difficilis Spin.) Rad.  $- \subsetneq \circlearrowleft - \text{Am}$ : Chile. Hedychrum difficile Spinola, Gay: Hist. fis. Chile. Zool. VI. 1851 p. 411 n. 1, 5. Hedychrum difficile Dahlbom. Hymen. Europ. II. 1854 p. 63 n. 34, 3. Holopyga difficilis Radoszkowski, Horae soc. entom. Ross. XXIII. 1889 p. 9, 3; T. 1 F. 9. Holopyga (Hedychridium) difficilis Mocsáry, Monogr. Chrysid. 1889 p. 139 n. 139, ⊊ ♂. dimidiata (Say) Mocs. — ♀ ♂ — Am.: United States. Hedychrum dimidiatum Say, Keating's Narrat. Exped. II. 1824 App. p. 330 n. 2. Hedychrum dimidiatum Leconte, Writ. of Th. Say Entom. I. 1859 p. 222 n. 2.

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Hedychridium dimidiatum Aaron, Trans. Amer. Entom. Soc. XII. 1885 p.221,♀♂; T.7F.30-32. Holopyga Hedychridium dimidiata Mocsáry, Monogr. Chrysid. 1889 p. 136 n. 133, ⊆ 5. elegantula Buyss. Mocs. —  $\subseteq$  — Eur.: Gallia. Hedychridium elegantulum Buysson, Rev. d'entom. VI. 1887 p. 173 n. 9, C! Holopyga Hedychridium elegantula Mocsáry, Monogr. Chrysid. 1889 p. 152 n. 156, ⊆. femorata Dahlb. Mocs. — ⊆ 13 — Eur.: Gallia, Austria. Hungaria. Hedychrum femoratum Megerle Dahlbom, Hymen, Europ, Ā1.1854 p.90 n.51, ⊊; T.4 F.81&82! Hedvehrum femoratum Schenck, Jahrb. Ver. Naturk, Nassau XI, 1856 p. 82 n. 8. Hedychrum femoratum Schenck. Progr. Gymnas. Weilburg 1870 p. 16 n. 27. Hedychridium graciosum Abeille, Diagn. Chrysid, nouv. 1878 p. 3 n. 11. Hedvehridium gratiosum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 35 & 37, ⊆ 3. Hedvehrum gratiosum Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157. Hedychrum femoratum Lamprecht, Goldwesp. Deutschlands 1881 p. XX n. 65. Holopyga Hedychridium femorata Mocsáry, Monogr. Chrysid, 1889 p. 174 n. 155, C. -fervida (Fabr. Ab. — ⊊ 3 — Eur. centr. & mer.; Afr.: Algeria. Chrysis fervida Fabricius, Spec. Insect. I. 1781 p. 456 n. 12 nec Christ. Chrysis fervida Fabricius, Mant. Insect. I. 1787 p. 283 n. 14. Chrysis fervida Villers, C. Linnaei Entem, III, 1789 p. 259 n. 10. Chrysis fervida Gmclin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2745 n. 16. Chrysis fervida Olivier, Encyel, méthod, Insect. V. 1790 p. 674 n. 16. Chrysis candens Preyssler, Mayer: Sammlg, physik, Aufs. I. 1791 p. 136 n. 22; T. 4 F. 22. Chrysis fervida Fabricius, Entom. system. II. 1793 p. 242 n. 16. Chrysis fervida Mikan, Neu. Abh. böhm, Ges. Wiss, III, 1797 p. 127 n. 12. Chrysis fervida Panzer, Faun. Insect. German. V. 1798 P. 51 T. 6. Chrysis fervida Fabricius, Syst. Piez. 1804 p. 175 n. 23. Hedychrum fervidum Latreille. Hist. nat. Crust. & Insect. XIII. 1805 p. 240 n. 3. Hedvehrum fervidum Panzer. Krit. Revis. II. 1806 p. 104. Elampus fervidus Spinola, Insect. Ligur. I. 1806 p. 11. Hedychrum nitidum Lepcletier. Ann. mus. hist. nat. VII. 1806 p. 123 n. 12. ⊆ 5; T. 7 F. 5. Chrysis fervida Jurine. Nouv. méth. class. Hymén. 1807 p. 296, ⊆ ♂. Hedychrum fervidum Dahlbom, Dispos. method. Hymen. II. 1845 p. 3 n. 9. Hedychrum Fellmanni Lucas, Explor. sc. Algérie. Zool. HI. 1846 p. 314 n. 359; T. 17 F. 12. Hedychrum chalconotum Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 345 n. 94. ⊆! Hedvehrum fervidum Dahlbom, Hymen, Europ. II. 1851 p. 90 n. 52; T. 1 F. 78-80. Hedvehrum fervidum Schenck, Jahrb. Ver. Naturk. Nassau XI, 1856 p. 45 & 47 n. 20. Hedychrum fervidum Courtiller, Ann. soc. Linn. Maine-ct-Loire III. 1858 p. 67. Hedychrum fervidum Smith. Entomol. Annual f. 1862 p. 99 n. 4. Hedvehrum fervidum Taschenberg, Hymen, Deutschl. 1866 p. 150, ⊊ 5. Holopyga splendens Chevrier, Mittheil. Schweiz, entom. Ges. III 1, 1869 p. 41. C. Hedychrum fervidum Schenek. Progr. Gymnas. Weilburg 1870 p. 12 n. 22. Holopyga fervida Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 27 & 30; T. 1 F. S. Holopyga fervida Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157. Hedvehrum fervidum Lamprecht, Goldwesp, Deutschlands 1881 p. XX n. 62. Holopyga fervida Heyden, Ber. Senckenberg, naturf. Ges. 1881/82 p. 253 n. 26. Holopyga fervida Mocsáry, Chrysid, faun. Hungar, 1882 p. 33 & 80 n. 1, ⊆ 3; T. 1 F. 6. Holopyga fervida Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 36 & 37; T. 3 F. 6. Holopyga fervida Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 39 n. 9 [excl. synon. . Holopyga fervida Destefani, Natural, Sicil. VII. 1888 p. 119. Holopyga fervida Radoszkowski, Horac soc. entom. Ross. XXIII. 1888 p. 10. 3; T. 1 F. 13. Holopyga fervida Mocsáry, Monogr. Chrysid. 1889 p. 131 n. 126, ⊆ ♂. Holopyga fervida Frey-Gessner, Bull. soc. Murith. XVI XVIII. 1890 p. 65 n. 68.

var. foveolata Dest. — ⊊ — Eur.: Sicilia.

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  Hedvehrum Solandii Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 65, Q.
  Hedychrum flavipes Radoszkowski, Horac soc. entom. Ross. III. 1866 p. 301 n.19, ⊊; T.3 F.10.
  Hedvehrum flavipes Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 7n. 15, ⊊ ⋽.
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  Holopyga Hedychridium flavipes Mocsáry, Monogr. Chrysid. 1889 p. 133 n. 129, ⊊ ⋽.
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gloriosa Fabr. Dahlb. — ⊆ 3 — Eur. centr. & mer.; As.: Caucasus, Turcestania, Syria; Afr.:
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                                                                               Barbaria.
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  Holopvga gloriosa Mocsáry, Chrysid, faun. Hungar, 1882 p. 33 & 81 n. 2, Q 3.
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rar. caucasica Moes. — As.: Transcaucasia.
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hispanica Tourn. — ♀ ♂ — Eur.: Hispania.
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flavipes Ev. Mocs. —  $\mathcal{Q}$   $\mathcal{J}$  — Eur.: Rossia, Gallia, Hungaria; As.: Turcestania, Syria.





Holopyga. 27 – horus Aar. – ⊊ 3 – Am.: Montana, Nevada. Holopyga horus Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 220, ♀ ♂; T. 7 F. 35. Holopyga horus Mocsáry, Monogr. Chrysid. 1889 p. 123 n. 112, ⊊ 3. janthina Dahlb. — Afr.: Cap. Holopyga janthina Spinola) Dahlbom, Hymen. Europ. II. 1854 p. 50 n. 26. Holopyga janthina Mocsáry, Monogr. Chrysid. 1889 p. 117 n. 102. incrassata (Dahlb.) Mocs. — Eur.: Sicilia, Gallia; As.: Turcestania. [[nec Radoszk.]. Hedychrum incrassatum Spinola Dahlbom, Hymen. Europ. II. 1554 p.73 n. 42; T. 4 F. 63b-c Hedychridium incrassatum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 35 & 36. Hedychrum incrassatum Destefani, Natural. Sicil. VII. 1888 p. 120. Holopyga (Hedychridium incrassata Mocsáry, Monogr. Chrysid. 1889 p. 147 n. 148. indica Mocs. —  $\mathcal{Q}$  — As.: India or. Holopyga Indica Mocsáry, Monogr. Chrysid. 1889 p. 118 n. 104, ⊊. insperata Mocs. — 3 — Austr. Holopyga insperata Mocsáry, Monogr. Chrysid. 1889 p. 119 n. 107. 3. integra (Dahlb.) Mocs. — 🔾 — Eur.: Suecia, Helvetia, Tirolia, Austria inf., Gallia? Russia. Chrysis integra var. c Dahlbom, Exercit. Hymen. P. 3. 1831 p. 35 n. 20, ⊊ ♂ [excl. var. a & b]. Hedvehrum cupreum Dahlbom, Dispos. method. Hymen. II. 1845 p. 3 n. 4, ♀. Hedvehrum integrum Dahlbom, Hymen. Europ. II. 1854 p. 86 n. 49; T. 4 F. 76 & 77. Hedychrum integrum Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 67. Hedychrum integrum Thomson, Opusc. entom. P. 2. 1870 p. 105 n. 3. Hedychridium integrum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 36 & 39. Hedychrum integrum Lamprecht, Goldwesp. Deutschlands 1881 p. XX n. 66. Holopyga (Hedychridium) integra Mocsáry, Monogr. Chrysid. 1889 p. 144 n. 146. ⊊. Holopyga Hedychridium integraFrey-Gessner, Bull. soc. Murith. XVII. /XVIII. 1890p. 66&68. Holopyga integra Frey-Gessner, Mittheil. Schweiz. entom. Ges. VIII. 4. 1890 p. 160. italica Dahlb.! — 3 — Eur.: Italia.

Holopyga Italica Dahlbom, Dispos. method. Hymen. II. 1845 p. 4 n. 3. 3. jucunda Mocs. — \( \sigma \) — Eur.: Austria inf., Hungaria.

lazulina Dahlb. — ⊊ ♂ — Am.: Brasilia, Argentinia.

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Holopyga lazulina Mocsáry, Monogr. Chrysid. 1889 p. 124 n. 115,  $\subseteq~\mathfrak{Z}.$ 

lewisii (Cam. Mocs. — As.: Japonia.

Hedychrum Lewisi Cameron, Proc. Manchester Philos. Soc. XXVI, 1888 p. 124. Holopyga Lewisi Mocsáry, Monogr. Chrysid, 1889 p. 118 n. 103.

maculata (Fabr.) Mocs. — 5 — Am.: Haiti.

Chrysis maculata Fabricius, Suppl. entom. system. 1798 p. 258 n. 12-13,  $\, \, \, \, \, \, \, \, \, \, \, \, \, \, \, \,$ 

Chrysis maculata Coquebert, Illustr. iconogr. Insect. II. 1801 p. 60, 5; T. 13 F. 10. Chrysis maculata Fabricius, Syst. Piez. 1804 p. 174 n. 18, 5.

Hedychrum maculatum Lepcletier, Ann. mus. hist. nat. VII. 1806 p. 122 n. 8.

Hedychrum maculatum Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 51 n. 1. 3.

Holopyga maculata Mocsáry, Monogr. Chrysid. 1887 p. 120 n. 108, 3.

mauritanica (Luc. Ab. —  $\subseteq \Im$  — Afr.: Algeria.

Hedychrum Mauritanicum Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 312 n. 356; T. 17 F. 9. Holopyga gloriosa var. Mauritanica Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 32. Holopyga Mauritanica Mocsáry, Monogr. Chrysid. 1889 p. 117 n. 101, ♀ ♂.

miliaris (Cam.; Mocs. — Am.: Guatemala.

Hedychridium miliare Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen. I. p. 459 n. 3; T. 20 F. 5. Holopyga (Hedychridium) miliaris Mocsáry, Monogr. Chrysid. 1889 p. 138 n. 137. miranda Ab. — Eur.: Corsica. Hispania.

Holopyga miranda Abeille, Diagn. Chrysid. nouv. 1878 p. 2 n. 8.

Holopyga miranda Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 28 & 30; T. 1 F. 8.

Holopyga miranda Gogorza, Anal. soc. Españ. hist. nat. XVI. 1889 p. 40 n. 10. Holopyga miranda Mocsáry, Monogr. Chrysid. 1889 p. 132 n. 127.

mlokosiewitzii Rad. — 3 — Eur.: Caucasus.

Hedychrum Mlokosiewitzi Radoszkowski, Horae soc. entom. Ross. XII. 1876 p. 109 n. 34, \$\frac{1}{3}\$! Holopyga Mlokosiewitzi Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 9, \$\frac{1}{3}\$; T. 1 F. 11. Holopyga Mlokosiewitzi Mocsáry, Monogr. Chrysid. 1889 p. 125 n. 118. \$\frac{1}{3}\$.

monochroa (Buyss.) Mocs. — 9 — Eur.: Gallia?, Tirolia, Hungaria.

Hedychridium monochroum Buysson, Rev. d'entom. VII. 1888 p. 3 n. 4, ⊊.

Holopyga (Hedychridium) monochroa Mocsáry, Monogr. Chrysid. 1889 p. 135 n. 131, ⊆. nitidula Dahlb.! — ♂ — Eur.: Gallia.

Holopyga nitidula Dahlbom, Dispos. method. Hymen. II. 1845 p. 4 n. 2. 3. novarae Mocs. — 3 — Am.: Chile.

Holopyga Novarae Mocsáry, Monogr. Chrysid. 1889 p. 124 n. 116, 3.

obsoleta (Say) Mocs. — Q — Am.: Illinois, Pennsylvania.

Hedychrum obsoletum Say. Boston. Journ. Nat. Hist. I. 3. 1836 p. 284 n. 1, C.

Hedychrum Zimmermanni Dahlbom, Dispos. method. Hymen. II. 1845 p. 2 n. 1, 3.

Hedychrum Zimmermanni Dahlbom, Hymen. Europ. II. 1854 p. 61 n. 32.

Hedychrum obsoletum Leconte. Writ. of Th. Say Entom. II. 1859 p. 730 n. 1, Q.

Hedyehrum obsoletum Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 237,  $\subseteq$ 

Hedychrum obsoletum Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 222; T. 7 F. 26. Holopyga obsoleta Mocsáry. Monogr. Chrysid. 1889 p. 121 n. 109.

orientalis (Smith) Moes. - As.: Singapore.

Hedychrum orientale Smith. Journ. of Proc. Linn. Soc. Zool. II. 1857 p. 128 n. 1. Holopyga orientalis Mocsáry. Monogr. Chrysid. 1889 p. 119 n. 105.

plagiata Mocs. — 3 — As. minor.

Hedychrum plagiatum Mocsáry, Mag. Akad. Termész. Értek. XIII. P.11. 1883 p. 14n.17, 3. Holopyga (Hedychridium, plagiata Mocsáry, Monogr. Chrysid. 1889 p. 142 n. 142, 3. purpurascens (Dahlb.) Mocs. 1) — Eur.: Silesia.

Hedychrum purpurascens Dahlbom, Hymen. Europ. II. 1854 p. 85 n. 48.

Hedychrum purpurascens Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 81 n. 7.

Hedychrum purpurascens Schenck, Progr. Gymnas. Weilburg 1870 p. 16 n. 26.

Hedychrum purpurascens Lamprecht, Goldwesp. Deutschlands 1881 p. XXI. n. 68.

Holopyga (Hedychridium) purpurascens Mocsáry, Monogr. Chrysid. 1889 p. 144 n. 145. purpurea Smith — As.: Celebes.

Holopyga purpurea Smith, Journ. of Proc. Linn. Soc. Zool. IV. 1859 Suppl. p. 68 n. 1. Holopyga purpurea Mocsáry, Monogr. Chrysid. 1889 p. 119 n. 106.

reticulata (Ab.) Mocs. — 3 — Eur.: Gallia.

Hedychridium minutum var. reticulatum Abeille, Diagn. Chrysid. nouv. 1879 p. 3 n. 14. Hedychrum minutum var. reticulatum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 36 & 40. Holopyga (Hedychridium) reticulata Mocsáry, Monogr. Chrysid. 1889 p. 149 n. 151, 3.

rosea (Rossi) Mocs.2) —  $\subseteq \emptyset$  — Eur. tota; As.: Caucasus, Turcestania.

Chrysis carnea var. rosea Rossi, Fauna Etrusc. II. 1790 p. 75 n. 843; T. 8 F. 7.

Chrysis lampas Christ, Naturg. d. Insect. 1791 p. 405; T. 45 F. 7. Chrysis rosea Rossi. Mant. Insect. 1792 p. 132 n. 290.

Chrysis rufa Panzer, Faun. Inseet. German. VII. 1801 P. 79 T. 16.

<sup>1)</sup> Hym.: Stizus tridens Fabr. (Rudow).

<sup>2)</sup> Hym.: Tachysphex pectinipes L. (Smith), Harpactus tumidus Pz. (Shuckard).



Hedvehrum rufum Panzer, Krit. Revis. II. 1806 p. 101.

Hedychrum roscum Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 123 n. 13, 5; T. 7 F. 7.

Chrysis carnea var. rosea Illiger, Rossi: Faun. Etrusc. H. 1807 p. 120 n. 843; T. S F. 7.

Chrysis rufa Jurine, Nouv. méth. class. Hymén. 1807 p. 297, 3.

Chrysis rufa Curtis, Brit. Entom. I. 1824 p. 8 n. 18.

Hedychrum roseum Lepeletier, Encyel. méthod. Insect. X. 1825 p. 8.

Chrysis Rosae Dahlbom, Monogr. Chrysid. Suec. 1829 p. 13 n. 11, Q.

Chrysis Hedychrum rosea Dahlbom, Exercit. Hymen. P. 2, 1831 p. 31 n. 14, C.

Hedychrum roscum Shuckard, Entom. Magaz. IV. 1836 p. 173 n. 6.

Hedvehrum roseum Wesmael, Bull. acad. sc. Belgique VI. 1, 1839 p. 169 n. 1.

Hedvehrum roseum Blanchard, Hist. nat. Insect. III. 1840 p. 296 n. 2.

Hedychrum roseum Dahlbom, Dispos. method. Hymen. II. 1845 p. 2 n. 3, & 3.

Hedychrum roseum Dahlbom, Hymen. Europ. II. 1854 p. 93 n. 53.

Hedychrum roseum Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 46 & 47 n. 22.

Hedychrum roseum Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 552 n. 5.

Hedyehrum roseum Courtiller, Ann. soc. Linn. Maine-et Loire III. 1858 p. 67.

Hedychrum roseum Chevrier, Descr. Chrysid. Léman 1862 p. 89, Q 3.

Hedychrum roseum Smith, Entom. Annual f. 1862 p. 100 n. 5.

Hedyehrum roseum Taschenberg, Hymen, Deutschl. 1866 p. 150, 9 3.

Hedychrum roseum Thomson, Opuse. entom. P. 2. 1870 p. 104 n. 2.

Hedychrum roseum Schenck, Progr. Gymnas. Weilburg 1870 p. 12 n. 21. [F.2.

Hedyehrum Erschovi Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p.6 n.13, ⊊! T.1

Hedychrum suave Tournier, Mittheil. Schweiz. entom. Ges. V. 6. 1878 p. 308,  $\Omega$ . Hedychridium roseum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 35 & 38.

Hedvehrum roseum Lamprecht, Goldwesp. Deutschlands 1881 p. XIX n. 58.

Hedvehridium roseum Heyden, Ber. Senckenberg, naturf. Ges. 1881-82 p. 249 n. 13.

Hedychrum roseum Mocsáry, Chrysid, faun. Hungar, 1882 p. 41 & 82 n. 6, 3; T. 1 F. 8. Hedychridium roseum Frey-Gessner, Hymen, Helvet, Chrysid, 1887 p. 40 & 41.

Hedychrum roseum Destefani, Natural. Sicil. VII. 1888 p. 121.

Hedychrum roseum Meunier, Natural. Sicil. VIII. 1888 p. 53.

Hedychridium roseum Buysson, Rev. d'entom. VII. 1885 p. 13.

Holopyga (Hedychridium) rosea Mocsáry, Monogr. Chrysid. 1889 p. 154 n. 159, ⊆ 5.

Holopyga Hedychridium rosea Frey-Gessner, Bull. soc. Murith. XVI. XVIII, 1890 p.65&69.

var. chloropyga Buyss. — ⊊ — Eur.: Gallia.

Hedychridium roseum var. ehloropyga Buysson, Rev. d'entom. VII. 1888 p. 13, ⊊.

Holopyga rosea var. chloropyga Mocsáry, Monogr. Chrysid. 1889 p. 155.

var. femorata Ab. —  $\subseteq$  — Eur.: Gallia, Hispania.

Hedychridium roseum var. femorata Abeille. Ann. soc. Linn. Lyon XXVI. 1879 p. 36. Hedychrum femoratum Moesáry, Chrysid. faun. Hungar. 1882 p. 42 n. 7, Ç. non Dahlbom].

Holopyga rosea var. femorata Moesáry, Monogr. Chrysid. 1889 p. 155, Ç.

var. nana Chevr. — ♀ ♂ — Eur.: Gallia, Helvetia.

Hedychrum nanum Chevrier, Mittheil. Schweiz. entom. Ges. III. 6. 1870 p. 266 n. 2. 5.

Hedychridium roseum var. nanum Abeille, Ann. soe. Linn. Lyon XXVI. 1879 p. 36 & 38.  $\mathfrak{J}$  .

Hedychridium roseum var. nanum Buysson, Rev. d'entom. VII. 1888 p. 12. Q.

Holopyga rosea var. nana Moesáry, Monogr. Chrysid. 1889 p. 155.

rugosa (Smith) Moes. 1; - As.: India or.

Hedychrum rugosa Smith, Ann. & Mag. Nat. Hist. (2) IX. 1852 p. 45.

Holopyga rugosa Mocsáry, Monogr. Chrysid. 1889 p. 125 n. 117.

<sup>1)</sup> Hym.: Pelopoeus separatus Sm. (Ezra Downes).

sculpturata (Ab. Mocs. — ⊊ 5 — Eur.: Gallia, Helvetia, Austria, Hungaria, Russia; As.: Cau-Hedychrum sculpturatum Abeille, Feuille jeun. natural. VII. 1877 p. 65 n. 2. [casus. Hedychridium sculpturatum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 36 & 39. Hedychridium sculpturatum Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 40 & 41. Holopyga (Hedychridium sculpturata Mocsáry, Monogr. Chrysid. 1889 p. 143 n. 144, ♀ ♂. Holopyga (Hedychridium sculpturata Frey-Gessner, Bull. soc.Murith.XVI./XVIII.1890 p.65 scutellaris (Tourn.) Mocs. — Eur.: Sicilia. [& 68.

Hedychrum scutellare Tournier, Mittheil. Schweiz. entom. Ges. V. 6. 1878 p. 309. Holopyga (Hedychridium scutellaris Moesáry, Monogr. Chrysid. 1889 p. 142 n. 143. semiignita Marq. 1 — Eur.: Gallia.

Holopyga semiignita Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157. similis Moes.  $- \subsetneq \circlearrowleft - \text{Eur.}$ : Hungaria.

Holopyga similis Mocsáry, Termész. Füzet. III. 1879 p. 120 n. 8, 9 3.

Holopyga similis Mocsáry, Chysid. faun. Hungar. 1882 p. 35 & 81 n. 4,  $\subsetneq$   $\circlearrowleft$ ; T. 1 F. 5. Holopyga similis Mocsáry, Monogr. Chrysid. 1889 p. 130 n. 124,  $\subsetneq$   $\circlearrowleft$ .

solskyi Rad. —  $\subsetneq \circlearrowleft$  — As.: Turcestania.

[F. 1.

Hedychrum Solsky Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p.7 n. 16, $\mathbb{Q} \circlearrowleft !$  T.3 Holopyga Solskyi Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 9,  $\mathbb{G}$ ; T. 1 F. 10. Holopyga Solskyi Mocsáry, Monogr. Chrysid. 1889 p. 116 n. 100,  $\mathbb{Q} \circlearrowleft \mathbb{G}$ .

sulcata Mocs. — 3 — Afr.: Cap.

Holopyga Hedychridium; sulcata Mocsáry, Termész. Füzet. XIII. 1890 p. 52 n. 14,  $\circlearrowleft$ . suturalis Mocs. —  $\subsetneq$  — Am.: Chile.

Holopyga Hedychridium suturalis Mocsáry, Monogr. Chrysid. 1889 p. 140 n. 140,  $\mathfrak L$ . torosa Mocs. —  $\mathfrak L$  — Am.: Brasilia.

Holopyga Hedychridium; torosa Mocsáry, Monogr. Chrysid. 1889 p. 139 n. 138, Ç. ventralis (Say) Nort. — Ç 🛪 — Am.: Canada, Vancouvers Island, United States, Cuba.

Hedychrum ventrale Say, Keating's Narrat. Exped. II. 1824 App. p. 330 n. 1.

Holopyga Dohrni Dahlbom, Hymen. Europ. II. 1854 p. 48 n. 24; T. 3 F. 56. Hedychrum ventrale Leconte, Writ. of Th. Say Entom. I. 1859 p. 222 n. 1.

Holopyga compacta Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 304.

Holopyga ventralis Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 235.

Hedychrum violaceum Provancher, Natural Canad. XII. 1881 p. 301, ♀ ♂ [non Brullé]. Hedychrum violaceum Provancher, Faun. entom. Canada. Hymén. 1883 p. 580, ♀ ♂.

Holopyga ventralis Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 220, © 3; T. 7 F. 34. Holopyga ventralis Provancher, Addit. faun. Canada. Hymén. 1887 p. 222.

Holopyga ventralis Mocsáry, Monogr. Chrysid. 1889 p. 122 n. 111.

vernalis (Cress.) Mocs. — 3 — Am.: Cuba.

Hedychrum vernale Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 104, 3.

Hedychrum vernale Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 237.

Holopyga vernalis Mocsáry, Monogr. Chrysid. 1889 p. 123 n. 113, 3.

viridis Cress., Mocs.——

Am.: Colorado, Montana, Dakota, Washington Terr., California, Utah. Hedychrum viride Cresson. Proc. Entom. Soc. Philadelphia IV. 1865 p. 306 n.3, Q [nec Guérin]. Hedychrum viride Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 238.

Hedychridium viride Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 221.

Holopyga (Hedychridium) viridis Mocsáry, Monogr. Chrysid. 1889 p. 137 n. 134.

zelleri Dahlb. Mocs. —  $\subseteq \mathcal{F}$  — Eur.: Germania.

Hedychrum Zelleri Dahlbom, Dispos. method. Hymen. II. 1845 p. 2 n. 2. Hedychrum Zelleri Dahlbom, Hymen. Europ. II. 1854 p. 69 n. 39; T. 4 F. 63a.

Hedychrum Zelleri Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 81 n. 3.

<sup>&</sup>lt;sup>1</sup> = ? Ellampus caudatus Ab.





Hedychrum Zelleri Schenck, Progr. Gymnas. Weilburg 1870 p. 16 n. 25.

Hedychrum Zelleri Lamprecht, Goldwesp. Deutschlands 1881 p. XX n. 59.

Holopyga Hedychridium Zelleri Mocsáry, Monogr. Chrysid. 1889 p. 134 n. 130; T. 1 F. 31.

Holopyga Hedychridium Zelleri Mocsáry, Termész, Füzet, XIII, 1890 p. 52 n. 13, ♀♂.

#### HEDYCHRUM

Latreille, Hist. nat. Crust. & Insect. III. 1802 p. 317. Mocsáry, Monogr. Chrysid. 1889 p. 155. Hóvzgovs, grate coloratus.

Synon .: Chrysis Fabricius & auct.

Cymura Dahlbom.

Vespa Geoffroy & Fourcroy.

aureicolle Mocs. —  $\subseteq$  — As. minor. Rhodus.

Hedychrum lucidulum var. a Dahlbom, Hymen. Europ. II. 1854 p. 78 n. 45,⊊; T. 4 F. 64-71.

Hedychrum aureicolle Mocsáry, Monogr. Chrysid. 1889 p. 168 n. 178, Q.

brasilianum Dahlb. -- Am.: Brasilia.

Hedychrum Brasilianum Spinola, Dahlbom, Hymen, Europ, II, 1854 p. 59 n. 30; T. 4 F. 62. Hedychrum Brasilianum Mocsáry, Monogr. Chrysid, 1889 p. 163 n. 171.

caelestinum Spin. — ⊆ 3 — Eur.: Russia. Turcia ; Afr.: Aegyptus. Cap.

Chrysis chloroidea Cristofori, Catal. rer. natur. 1832 p.? s. descr.].

Hedychrum coelestinum Spinola, Ann. soc. entom. France VII. 1838 p. 454 n. 11.

Cymura splendida Dahlbom, Dispos. method. Hymen. II. 1845 p. 4 n. 1, 3.

Hedychrum coelestinum (Klug Dahlbom, Hymen. Europ. II. 1854 p. 60 n. 31, Q 3.

Hedychrum stilboides Walker, List of Hymen. Egypt. 1871 p. 9 n. 36, ⊊ ♂.

Hedvehrum coelestinum Radoszkowski, Horae soc. entom. Ross. XXIII.1885 p.11, 3; T.2F.17.

Hedychrum coclestinum Mocsáry, Monogr. Chrysid. 1889 p. 158 n. 163, ⊊ 5; T.1 F.25.

caerulescens Shuck. — 3 — Eur.: Hispania, Gallia, Germania, Russia.

 $He dy chrum coerules cens \, Shuckard, \, Entom. \, Magaz. \, IV. 1836 \, p. 172 \, n. \, 3 [excl. \, synon.; nec \, Lep.].$ 

Hedychrum chalybaeum Klug Dahlbom, Hymen. Europ. II. 1854 p. 64 n. 35.

Hedychrum chalybaeum Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 81 n. 1.

Hedychrum chalybaeum Courtiller. Ann. soc. Linn. Maine-et-Loire III. 1858 p. 65.

Hedychrum coerulescens Smith, Entomol. Annual f. 1862 p. 98 n. 2.

Hedychrum chalybeum Schenck, Progr. Gymnas, Weilburg 1870 p. 16 n. 23.

Hedychrum chalybeum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 33.

Holopyga chalibaeus Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157 [excl. synon.].

Hedychrum chalybeum Lamprecht, Goldwesp. Deutschlands 1881 p. XX n. 60.

 $He dychrum\ coerules cens\ Radoszkowski. Horae\ soc.\ entom. Ross. XXIII.1888\ p.11,\ 5;\ T.1F.16.$ 

Hedychrum coerulescens Mocsáry, Monogr. Chrysid. 1889 p. 156 n. 160, 3.

caerulescens Chevr.! —  $\subsetneq$  — Eur.: Helvetia?

Hedychrum coerulescens Chevrier, Descr. Chrysid. Léman 1862 p. 87, © [nec Lep., nec Shuck.].

Hedychrum coerulescens Mocsáry, Monogr. Chrysid. 1889 p. 624 n. 15, Q.

carinulatum Spin.! — 3 — Am.: Chile.

Hedychrum carinulatum Spinola, Gay: Hist. fis. Chile. Zool. VI. 1851 p.411 n. 2. 5 [nec Schck.].

Hedychrum carinulatum Mocsáry, Monogr. Chrysid. 1889 p. 624 n. 16.

cirtanum Grib.¹) — ♀♂ — Afr.: Algeria.

Hedychrum cupreum Radoszkowski, Horac soc. entom. Ross. VI. 1869 p. 303, ⊊! [s. desc.]. Hedychrum Cirtanum Gribodo. Ann. mus. civ. Genova XIV. 1879 p. 338 n. 18, ♀ ♂.

<sup>1)</sup> Hym.: Osmia metallica Luc. Dours. Radoszkowski).

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Hedychrum Cirtanum Radoszkowski, Horae soc. entom. Ross. XXIII. 1885 p.12. 5; T.2 F.19.
  Hedychrum Cirtanum Mocsáry, Monogr. Chrysid. 1889 p. 165 n. 175, 🗘 👼.
continuum Aar. — 🗲 3 — Am.: Nevada, California, Washington Terr.
  Hedychrum continuum Aaron, Trans. Amer. Entom. Soc. XII. 1855 p. 224, ♀ ♂; T. 7 F. 29.
  Hedychrum continuum Mocsáry, Monogr. Chrysid. 1889 p. 162 n. 168, Q 3.
cressonii Nort. — \subsetneq — Am.: Mexico.
  Hedychrum Cressoni Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 239. ⊆.
  Hedychrum Hedychridium Cressoni Cameron, Biol. Centr.-Amer. P.67, 1888 Hymen, I. p. 459
  Hedychrum Cressoni Mocsáry, Monogr. Chrysid. 1889 p. 163 n. 170, ⊆.
evaneum Brullé — 3 — Afr.: Cap.
  Hedychrum cyaneum Brullé, Hist. nat. insect. Hymén. IV. 1846 p. 52 n. 4, 3.
  Hedychrum janthinum (Draege) Dahlbom, Hymen. Europ. II. 1854 p. 62 n. 53.
  Hedychrum evaneum Mocsáry, Monogr. Chrysid. 1889 p. 159 n. 164, 3.
flammulatum Smith — As.: Celebes.
  Hedychrum flammulatum Smith, Journ. of Proc. Linn. Soc. Zool. III. 1858 p. 26 n. 1.
  Hedychrum flammulatum Mocsáry, Monogr. Chrysid. 1889 p. 160 n. 166.
flavitarse Costa! — Eur.: Italia.
  Hedychrum flavitarse Costa, Ric. entom. monti Partenii 1858 p. 19 & 27 n. 26.
  Hedychrum flavitarse Mocsáry, Monogr. Chrysid. 1889 p. 623 n. 14.
frivaldszkyi Mocs. — 3 — As.: Reg. Caspica.
  Hedychrum Frivaldszkyi Mocsáry, Monogr. Chrysid. 1889 p. 164 n. 173, 3.
gerstaeckeri Chevr. — \subsetneq \circlearrowleft — Eur.: Gallia, Helvetia, Germania, Tirolia, Hungaria, Sicilia.
  Hedychrum Gerstaeckeri Chevrier, Mittheil. Schweiz. entom. Ges. III. 1. 1869 p. 47, Q 3.
  Hedychrum obscurum Tournier, Mittheil. Schweiz. entom. Ges. V. 6. 1878 p. 305 & 308 n. 3!
  Hedychrum Gerstaeckeri Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 33 & 35, Q 3.
  Hedychrum Gerstaeckeri Mocsáry, Chrysid. faun. Hungar. 1882 p. 39 & 82 n. 2, Q 3.
  Hedychrum Gerstaeckeri Heyden, Ber. Senckenberg, naturf. Ges. 1881 82 p. 248 n. 11.
  Hedychrum Gerstaeckeri Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 43 & 45, ♀ ♂.
   Hedychrum Gerstaeckeri Destefani, Natural. Sicil. VII. 1888 p. 121.
  Hedvehrum lucidum var. Gerstaeckeri Meunier, Natural. Sicil. VIII. 1888 p. 53.
  Hedychrum Gerstacckeri Mocsáry, Monogr. Chrysid. 1889 p. 169 n. 180, Q 3.
   Hedychrum Gerstaeckeri Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 71, ♀ 5.
grande Tourn. - \subseteq 3 — Eur.: Russia.
   Hedychrum grande Tournier, Soc. entom. IV. 1889 p. 23, ⊆ 3.
longicolle Ab. — 🔾 🕉 — Eur.: Hispania, Sicilia, Gallia, Italia, Tirolia, Hungaria; As. minor.
   Hedychrum longicolle Abeille, Feuille jeun. natural. VII. 1877 p. 65 n. 3.
   Hedychrum longicolle Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 33 & 34, Q 3.
   Hedychrum longicolle Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 157.
   Hedychrum longicolle Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 43 n. 13.
   Hedychrum longicolle Destefani, Natural. sicil. VII. 1888 p. 121.
   Hedychrum longicolle Mocsáry, Monogr. Chrysid. 1889 p. 169 n. 181, & 3.
 luculentum Först. — ⊊ — Eur.: Italia, Creta.
   Hedychrum luculentum Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 343 n. 92, Q!
   Hedychrum luculentum Mocsáry, Monogr. Chrysid. 1889 p. 171 n. 184. Q.
 metallicum Dahlb. — Eur.: Fennia.
   Hedychrum metallicum Dahlbom, Hymen. Europ. II. 1854 p. 68 n. 38.
   Hedychrum metallicum Mocsáry, Monogr. Chrysid. 1889 p. 158 n. 162.
 neotropicum Mocs. — 3 — Am.: Brasilia.
   Hedychrum neotropicum Mocsáry, Monogr. Chrysid. 1889 p. 164 n. 172, 3.
 nigropilosum Mocs. — ♂ — Am. bor.
   Hedychrum nigropilosum Mocsáry, Monogr. Chrysid. 1889 p. 162 n. 169, 3.
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- nobile (Scop.) Mocs. 1) - ⊊ ♂ - Eur. fere tota; As. occ.; Afr.: Algeria. Vespa spec. Geoffroy, Hist. abr. Insect. II. 1762 p. 382 n. 19. ⊊. Vespa spec. Geoffroy, Hist. abr. Insect. II. 1762 p. 384 n. 23, 3. Sphex nobilis Scopoli, Entom. Carn. 1763 p. 297 n. 792, ⊆; T. 42 F. 792. Chrysis nobilis Schäffer, Icon. Insect. Ratisbon. I. 2, 1767; T. 74 F. 7 & 8. Chrysis lucidula Fabricius, Syst. entom. 1775 p. 358 n. 9,  $\Omega$ . Chrysis nobilis Schrank, Enum. Insect. Austr. 1781 p. 388 n. 784. ⊊ [nec Sulzer]. Chrysis lucidula Fabricius, Spec. Insect. I. 1781 p. 456 n. 11, ⊆. Vespa carbunculus Fourcroy, Entom. Paris. II. 1785 p. 440 n. 24. C. Vespa viridis Fourcroy, Entom. Paris. II. 1785 p. 441 n. 28. 5. Chrysis lucidula Fabricius, Mant. Insect. I. 1787 p. 283 n. 13. Q. Chrysis lucidula Villers, C. Linnaei Entom. III. 1789 p. 258 n. 9,  $\subseteq$ Chrysis lucidula Gmelin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2745 n. 15,  $\varsigma$ . Chrysis lucidula Olivier, Encycl. méthod. Insect. V. 1790 p. 675 n. 15,  $\mathbb Q.$ Chrysis lucidula Rossi, Fauna Etrusca II. 1790 p. 76 n. 847, C. Chrysis lucidula Christ, Naturg. d. Insect. 1791 p. 398, Q. Chrysis nobilis Christ, Naturg. d. Insect. 1791 p. 400, ⊊; T. 44 F. 5 [nec Sulz.]. Chrysis lucidula Fabricius, Entom. system. II. 1793 p. 242 n. 15, Ç. Chrysis regia Fabricius, Entom. system. II. 1793 p. 243 n. 19, 3. Chrysis lucidula Panzer, Faun. Insect. German. V. 1798 P. 51 T. 5, Q. Chrysis regia Panzer, Faun. Insect. German. V. 1798 P. 51 T. 9, 5. Chrysis lucidula Coquebert, Illustr. iconogr. Insect. II. 1801 p. 59, ⊆; T. 14 F. 4. Chrysis regia Coquebert, Illustr. iconogr. Insect. II. 1801 p. 60, 3; T. 14 F. 8. Hedychrum lucidulum Latreille, Hist. nat. Crust. & Insect. III. 1802 p. 317, Q. Chrysis nobilis Schrank, Fauna Boica II. 2. 1802 p. 344 n. 2198, ⊆ [nec Sulz.]. Chrysis lucidula Walckenaer, Faune Paris, II, 1802 p. 85 n. 2, Ç. Chrysis regia Walckenaer, Faunc Paris. II. 1802 p. 85 n. 4, 3. Chrysis lucidula Fabricius. Syst. Piez. 1804 p. 174 n. 21, Ç. Chrysis regia Fabricius, Syst. Piez. 1804 p. 175 n. 26, 3. Hedychrum lucidulum Latreille, Hist. nat. Crust. & Insect. XIII. 1805 p. 239 n. 2, Q. Hedychrum lucidulum Panzer, Krit. Revis. II. 1806 p. 104, ⊆. Hedvehrum regium Panzer, Krit. Revis. II. 1806 p. 105, 3. Hedychrum lucidulum Spinola, Insect. Ligur. I. 1806 p. 10, ⊊. Elampus regius Spinola, Insect. Ligur. I. 1806 p. 11, 3. Hedychrum regium Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 122 n. 4, 3. Hedychrum alterum Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 122 n. 5, ⊈ ♂; T. 7 F. 8. Hedychrum lucidulum Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 122 n. 9, Ç. Chrysis lucidula Illiger, Rossi: Fauna Etrusca Ed. 2a II. 1807 p. 123 n. 847, Q. Chrysis regia Jurine. Nouv. méth. class. Hymén. 1507 p. 296, & 5. Chrysis lucidula Jurine, Nouv. méth. class. Hymén. 1807 p. 296, Q. Hedychrum lucidulum Lepcletier, Encycl. méthod. Insect. X. 1825 p. 8, Ç. Hedychrum regium Lepeletier, Encycl. méthod. Insect. X. 1825 p. 8, 3.

Chrysis Hedychrum lucidula Dahlbom. Exercit. Hymen. P. 2. 1831 p. 31 n. 12, \(\Omega\) 3.

Chrysis Hedychrum regia Dahlbom, Exercit. Hymen. P. 2, 1831 p. 13 n. 13, Q 3.

Hedychrum regium Shuckard, Entom. Magaz. IV. 1836 p. 171 n. 1, 5.

Hedychrum lucidulum Shuckard, Entom. Mag. IV. 1836 p. 171 n. 2, & [excl. synon.].

Chrysis lucidula Dahlbom, Monogr. Chrysid. Succ. 1829 p. 12 n. 9,  $\subseteq$ . Chrysis regia Dahlbom, Monogr. Chrysid. Succ. 1829 p. 13 n. 10.  $\circlearrowleft$ .

<sup>1</sup> Hym.: Odynerus parietum L. (André), Halictus leucozonius Kby. (Smith), Osmia nigriventris Zett. (Kawall), Chalicodoma muraria Fabr. Lepeletier.

<sup>3</sup> 

Hedyerum lucidulum Wesmael, Bull. acad. sc. Belgique VI. 1, 1839 p. 170 n. 3, ⊆. Hedyerum regium Wesmael, Bull. acad. sc. Belgique VI. 1, 1839 p. 171 n. 5, ♂. Hedyehrum regium Blanchard, Hist. nat. Insect. III. 1840 p. 296 n. 1, ♂. Hedyehrum aulicum Spinola, Ann. soc. entom. France 2/I. 1843 p. 129 n. 17.

Chrysis lucidula Zetterstedt, Insect. Lappon, I. 1838 p. 434.

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Hedvchrum lucidulum Dahlbom, Dispos. method. Hymen. II. 1845 p. 3 n. 8. ⊊ 3.
 Hedychrum lucidulum Imhof & Labram. Insect. d. Schweiz IV. 1845 T. 28.
  Hedvchrum lucidulum Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 50, ⊊; T. 37 F. 5.
 Hedvehrum regium Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 311 n. 354. 3. [& synon.].
 Hedychrum lucidulum Dahlbom, Hymen Europ. II. 1854 p. 78 n. 45, ⊆ 3; T. 4 F. 64-71 [excl. var.a
  Hedychrum lucidulum Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 43 & 47 n. 19, ⊊ 3.
 Hedychrum lucidulum Eversmann, Bull.soc.natural.Moscou XXX.4.1857p.550n.1,⊊[excl.var.
  Hedychrum lucidulum Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1855 p.66. [3&synon.].
 Chrysis regia Dumeril, Mém. acad. sc. Paris XXXI, 1860 p. 869 n. 4.
  Hedvehrum lucidulum Chevrier, Descr. Chrysid. Léman 1862 p. 79, ⊊ 3.
  Hedychrum lucidulum Smith, Entomol. Annual f. 1862 p. 97 n. 1, ⊊ 3.
  Hedvehrum lucidulum Taschenberg, Hymen. Deutschl. 1866 p. 150, ♀ ♂.
 Hedychrum lucidulum Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 300 n. 14, ⊊ ₹.
  Hedychrum lucidulum Thomson, Opuse, entom. P. 2, 1870 p. 104 n. 1, ♀ ♂.
  Hedychrum lucidulum Schenck, Progr. Gymnas. Weilburg 1870 p. 11 n. 17.
  Hedychrum lucidulum H. Müller, Befrucht. d. Blumen 1873 p. 464.
  Hedychrum lucidulum Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 6 n.12, ⊊ 3.
  Hedvehrum longipile Tournier, Pet. nouv. entom. II. 1877 p. 106, ⊆ 3.
  Hedychrum lucidulum Abeille. Ann. soc. Linn. Lyon XXVI. 1879 p. 33 & 34, ♀ ♂ [p. p.].
  Hedychrum lucidulum Lamprecht, Goldwesp. Deutschlands 1881 p.XXI p.69, ⊊ 5; Tab.F.24.
 Hedvehrum lucidulum Heyden, Ber. Senckenberg, naturf. Ges. 1881/82 p. 248 n. 10, ⊊ 3.
 Hedychrum lucidulum Mocsáry, Chrysid, faun, Hungar, 1882 p. 38 & 82 n. 1, ⊊ −5; T. 1 F.7.
  Hedvehrum lucidulum Frey-Gessner, Hymen, Helvet, Chrysid, 1887 p. 43 & 44.
  Hedychrum lucidulum Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 42 n. 12, ⊊ ♂.
 Hedychrum lucidulum Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 12; T. 2 F. 20.
 Hedychrum lucidulum Destefani, Natural. Sicil. VII. 1888 p. 122, ♀ ♂.
  Hedychrum lucidulum Mennier, Natural. Sicil. VIII. 1888 p. 52.
  Hedychrum nobile Mocsáry, Monogr. Chrysid. 1889 p. 172 n. 185, ⊊ ʒ; T. 1 F. 22 & 30.
  Hedychrum nobile Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 71 & 72, ⊊ 3.
var. japonicum Cam. — As.: Japonia.
 Hedychrum Japonicum Cameron, Proc. Manchester Philos. Soc. XXVI. 1888 p. 123.
  Hedychrum nobile var. Japonicum Mocsáry, Monogr. Chrysid. 1889 p. 174.
phönix Buyss. — ⊊ — As.: Syria.
 Hedychrum Phönix Buysson, Rev. d'entom. VII. 1858 p. 2 n. 3, Q.
 Hedychrum Phoenix Mocsáry, Monogr. Chrysid. 1889 p. 170 n. 182, Q.
rutilans Dahlb. - \subsetneq \mathfrak{Z} — Eur. fere tota.
 ? Hedvehrum fervidum Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 122 n. 7. \( \) [non Fabr.].
 ? Hedychrum fervidum Shuckard. Entom. Magaz. IV. 1836 p. 172 n. 5 [non Fabr.].
  Hedvchrum fervidum Wesmael. Bull. acad. sc. Belgique VI. 1, 1839 p. 170 n. 4.
  Hedychrum intermedium Dahlbom, Dispos. method. Hymen. II. 1845 p. 3 n. 7, 3.
  Hedychrum rutilans Dahlbom, Hymen. Europ. II. 1854 p. 76 n. 44.
  Hedychrum lucidulum var. Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 43 n. 19.
  Hedychrum rutilans Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 81 n. 4.
  Hedychrum rutilans Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 66.
  Hedychrum rutilans Chevrier, Descr. Chrysid. Léman 1862 p. 85, 9-3.
  Hedychrum rutilans Schenck, Progr. Gymnas. Weilburg 1870 p. 11 n. 18.
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Hedychrum incrassatum Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p.5n.11, 5! nec Hedychrum rutilans Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877p.7n.14. | Dahlb. |. Hedvehrum viridiaureum Tournier, Pet. nouv. entom. II. 1877 p. 106. ⊊. Hedychrum rutilans Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 33 & 34. Hedvehrum rutilans Lamprecht, Goldwesp. Deutschlands 1881 p. XX n. 63. Hedvehrum rutilans Heyden, Ber. Senckenberg, naturf. Ges. 1881/82 p. 247 n. 9. Hedvehrum rutilans Mocsáry, Chrysid. faun. Hungar. 1882 p. 39 & 82 n. 3, ⊈ ♂ [excl. synon.]. Hedvehrum rutilans Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 43 & 44, ⊊ 3. Hedychrum rutilans Meunier, Natural. Sicil. VIII. 1888 p. 53. Hedychrum rutilans Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 11, 3; F.2 T.18. Hedvehrum rutilans Mocsáry, Monogr. Chrysid. 1889 p. 174 n. 186, ⊊ 3. Hedychrum rutilans Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 71 & 72, ⊊ 3. var. viridiauratum Mocs. — Afr.: Algeria, Marocco. Hedychrum rutilans var. viridiauratum Mocsáry, Monogr. Chrysid. 1889 p. 175. sculptiventre Buyss. — 3 — Afr.: Algeria. Hedychrum sculptiventre Buysson, Rev. d'entom. VII. 1888 p. 2 n. 2, 3. Hedychrum sculptiventre Moesáry. Monogr. Chrysid. 1889 p. 166 n. 176. semicyaneum Moes. —  $\subsetneq$  — As. Turcestania. Hedychrum semicyaneum Mocsáry, Monogr. Chrysid. 1888 p. 168 n. 179, ⊊. semiviolaceum Mocs. — 3 — Eur.: Hungaria, Austria inf. Hedychrum semiviolaceum Mocsáry, Monogr. Chrysid. 1889 p. 165 n. 174, 3. simile Mocs. — 5 — As.: Sibiria, China. T. 1 F. 15 [nec Brullé]. Hedvehrum cyaneum Mocsáry Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 10, 3; Hedychrum simile Mocsáry, Monogr. Chrysid. 1889 p. 157 n. 161, 3. spina Blanch.! — Eur.: Gallia. Hedychrum spina Blanchard, Hist. nat. Insect. III. 1840 p. 296 n. 4 [non Lep.]. Hedychrum spina Mocsáry, Monogr. Chrysid. 1889 p. 623 n. 13. szaboi Mocs. — ⊆ — Eur.; As.: Sibiria. Hedvehrum lucidulum var. c Dahlbom, Hymen. Europ. II. 1854 p. 78 n. 45, ⊊ excl. synon.]. Hedvehrum lucidulum var. 3 Eversmann, Bull.soc.natural. Moscou XXX.4.1857 p.550, C [excl. Hedychrum Szaboi Mocsáry, Monogr. Chrysid, 1889 p. 167 n. 177, Ç. timidum Dahlb. — As.: India. Hedvehrum timidum Dahlbom. Hymen. Europ. II. 1854 p. 65 n. 36. Hedychrum timidum Moesáry, Monogr. Chrysid. 1889 p. 160 n. 165.

-violaceum Brullé - Ç 🛪 - Am.: Canada, Vancouvers Island, United States. [Prov.]. Hedychrum violaceum Lepeletier Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 51 n. 2, 3 nec Hedychrum violaceum Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 238, 3 [excl. synon.]. Hedvehrum violaceum Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 223; T.8 F. 27 & 28. Hedychrum violaceum Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen I. p. 458 n. 1 [excl. Hedychrum violaccum Mocsáry, Monogr. Chrysid. 1889 p. 161 n. 167, 3. synon.]. vav. Iouisianae Nort. — 3 — Am.: Louisiana, Georgia, Texas, Colorado, Washington Terr. Hedychrum Louisianae Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 238, 3. Hedychrum violaceum var. Louisianae Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 223.

- var. parvum Aar. - Am.: Montana.

Hedvehrum violaceum var. parvum Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 223. var.wiltii Cress. — <br/>  $\subseteq$  — Am.: Colorado, Kansas, Nebraska.

Hedychrum Wiltii Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 305 n. 1.

Hedychrum Waltlia Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 237, Q.

Hedychrum violaceum var. Wiltii Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 223. virens Dahlb. — ⊆ 3 — Eur.: Lusitania, Italia, Austria, Graecia, Russia.

Hedychrum virens Klug Dahlbom, Hymen. Europ. II. 1854 p. 74 n. 43, ♀ ℨ.

Hedvchrum virens Abeille. Ann. soc. Linn. Lyon XXVI. 1879 p. 33.

Hedvehrum virens Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 42 n. 11.

Hedvehrum virens Mocsáry, Monogr. Chrysid. 1889 p. 170 n. 183, ♀ ♂.

var. cancasicum Mocs. — 3 — As.: Transcaucasia.

Hedychrum virens var. Caucasicum Moesáry, Monogr. Chrysid. 1889 p. 171. 3.

# 7. Subfam. Chrysidina

Mocsáry, Monogr. Chrysid. 1889 p. 175.

### SPINTHARIS

Klug, Symb. physic. Dec. 5, 1845 Insect. T. 45, σπινθήρ, scintilla.

Synon.: Chrysis Spinola. Radozkowski.

chrysonota Dahlb. - 3 - Afr. mer. & orient.

Spintharis chrysonota Klug Dahlbom, Hymen. Europ. II. 1854 p. 351 n. 196, 3.

Spintharis chrysonota Mocsáry, Monogr. Chrysid. 1889 p. 178 n. 189. d.

deaurata Mocs. — 3 — Afr. mer.?

Spintharis deaurata Mocsáry. Monogr. Chrysid. 1889 p. 179 n. 190, 3.

destituta Dahlb. — 3 — Afr.: Cap.

Spintharis destituta Dahlbom, Hymen. Europ. II. 1854 p. 352 n. 197, 3.

Spintharis destituta Mocsáry, Monogr. Chrysid. 1889 p. 180 n. 191, 3.

mocsaryi Rad. — As.: Armenia.

Spintharis Mocsaryi Radoszkowski, Horae soc. entom. Ross. XXIV. 1890 p. 508 n. 30. pallidipes Tourn. —  $\subseteq$  3 — Eur.: Russia mer.

Spintharis pallipes Tournier, Ann. soc. entom. Belgique XXII. 1879 p. 99, Q 3.

Spintharis pallipes Mocsáry, Monogr. Chrysid. 1889 p. 177 n. 187. ⊊ 3.

singularis (Spin.) Dahlb. —  $\mathcal{Q}$  — Afr.: Aegyptus.

Chrysis singularis Spinola, Ann. soc. entom. France VII. 1535 p. 452 n. 10, ⊊.

Spintharis singularis Dahlbom, Hymen. Europ. II. 1854 p. 353 n. 198, C.

Spintharis singularis Mocsáry. Monogr. Chrysid. 1889 p. 180 n. 192, ⊆.

vagans Rad. Mocs. — ⊆ — As.: Turcestania, Syria.

Chrysis vagans Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 11 n.17,Q! T.1 F.3. Spintharis vagans Mocsáry, Monogr. Chrysid. 1889 p. 178 n. 188, Q.

#### CHRYSOGONA

Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 327. χουσός, aurum; γουή, partus.

Synon .: Chrysis Dahlbom & auct. plur.

armata Mocs. — ♀ ♂ — Am.: Brasilia.

Chrysogona armata Mocsáry. Monogr. Chrysid. 1889 p. 187 n. 200, ⊆ ♂.

bohemannii Dahlb. Mocs. — ♂ — Afr. mer.-orient.

('hrysis Bohemanni Dahlbom, Dispos. method. Hymen. II. 1845 p. 12 n. 20, 3.

Chrysis Bohemanni Dahlbom, Öfvers, Svensk, Vet.-Akad, Förh, VII, 1850 p. 137 n. 3, 3.

Chrysis Bohemanni Dahlbom, Hymen. Europ. II. 1854 p. 187 n. 101, 3; T. 10 F. 105.

Chrysogona Bohemanni Mocsáry, Monogr. Chrysid. 1889 p. 185 n. 196, 3; T. 1 F. 40. frey-gessneri Mocs. —  $\subseteq \circlearrowleft$  — Austr.

Chrysogona Frey-Gessneri Mocsáry, Monogr. Chrysid. 1889 p. 187 n. 197, ♀ ♂. gracillima Först. — ♂ — Eur.: Germania.

Chrysogona graeillima Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 328 n. 85, 3.

--- For Synonymy see Ducke 1911 (1909) Bul. Soc. Ent. Ital. p. 99. = ( & aussurei Moes.) trate Ducke 1910 Rend Chat. ort. 924

Chrysogona gracillima Schenck, Jahrb. Ver. Naturk. Nassau XI, 1856 p. 78, 3. Chrysis Chrysogona gracillima Schenck. Progr. Gymnas. Weilburg 1870 p. 15 n. 10, 3. Chrysis gracillima Lamprecht, Goldwesp. Deutschlands 1881 p. XVI n. 41, 3. Chrysogona graeillima Mocsáry, Monogr. Chrysid. 1889 p. 182 n. 193, 3. pumila Klug Mocs. 1 — Ç 3 — Eur.: mer. & or.; As.: Caucasus, Persia; Afr.: Aegytus, Nubia. Chrysis Spintharis pumila Klug, Symb. physic. P. 5, 1845 Insect. T. 45 F. 13, 3. Chrysis assimilis Spinola Dahlbom, Hymen. Europ. II. 1854 p. 201 n. 108, ⊊ 3. Chrysis virgo Abeille, Feuille jeun, natural, VII, 1877 p. 66 n. 6. Chrysis assimilis Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 41 & 42,  $\subseteq \beta$ ; T. 2 F. 51-53. Chrysis virgo Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 158. Chrysogona virgo Tournier, Ann. soc. entom. Belgique XXII. 1879 p. 98. Chrysogona tarsata Tournier, Ann. soc. entom. Belgique XXII. 1879 p. 99, 3. Chrysis Persica Radoszkowski, Horae soc. entom. Ross. XVI. 1881 Bull. p. V. ⊆ 5! Chrysis assimilis Gogorza, Anal. soc. Españ. hist. nat. XVI, 1887 p. 51 n. 17. Chrysis assimilis Destefani, Natural. Sicil. VII. 1888 p. 138. Chrysogona pumila Mocsáry, Monogr. Chrysid. 1889 p. 183 n. 194. ⊊ 3; T. 1 F. 38. SAUSSUrei Mocs. - 5 3 - Am.: Mexico. = armata teste Duche 1910 Rend'Ent. vol. 23 t. 121 Chrysogona Saussurei Mocsáry, Monogr. Chrysid. 1887 p. 187 n. 199, ⊊ 5; T. 1 F. 32 & 33. soluta Dahlb. — 3 — Eur.: Succia. Chrysis nitidula var. b Dahlbom, Monogr. Chrysid. Suec. 1829 p. 11 n. 7, 3. Chrysis soluta Dahlbom, Hymen. Europ. II. 1854 p. 217 n. 115. 5 [nec Radoszkowski]. Chrysis soluta Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 41 & 44. Chrysogona soluta Mocsáry, Monogr. Chrysid, 1889 p. 184 n. 195. verticalis Patt. Mocs. — ⊆ 3 — Am.: United States, California. Chrysis verticalis Patton, Canad. Entom. XI. 1879 April p. 67. Chrysis striatellus Norton, Trans. Amer. Entom. Soc. VII. 1879 Mai p. 239, Ç 3.

Chrysis verticalis Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 226; T. S. F. 36 & 37.

Chrysis verticalis Provancher, Addit. faun. Canada Hymén. 1887 p. 215, ⊊. Chrysogona verticalis Mocsáry, Monogr. Chrysid. 1889 p. 186 n. 198.

PLEUROCERA

Guérin, Rev. zool. 1842 p. 149. πλευφύ, latus; zέφας, cornu.

viridis Guér. — ⊆ — Am.: Chile.

Chrysis Pleurocera viridis Guérin, Rev. zool. 1842 p. 150 n. 19. Pleurocera viridis Spinola, Gay: Hist. fis. Chile. Zool. VI. 1854 p. 409 n. 1.

Pleurocera viridis Brullé. Hist. nat. Insect. Hymén. IV. 1846 p. 49 n. 1,  $\Omega$ 

Pleurocera viridis Mocsáry. Monogr. Chrysid. 1889 p. 189 n. 201; T. 1 F. 34-37 & 41.

#### STILBUM

Spinola, Insect. Ligur. I. 1806 p. 9 n. 1; II. 1808 p. 3 n. 3.  $\sigma n \lambda \beta \delta s$ , nitens.

Synon .: Chrysis Forster & auct. ant.

-cyanurum Först.) Mocs.². — ⊆ ⋽ — Eur. mer.; As. min., Transcaspia. Chrysis cyanura Forster, Nov. spec. Insect. 1771 p. 89 n. 89 [nec Dahlb.].

 $<sup>^1</sup>$  Hym.: Chalicodoma spec. Peréz.

<sup>&</sup>lt;sup>2</sup> Hym.: Pelopoeus destillatorius Ill. Lichtenstein. Destefani.

38 Stilbum.

Chrysis nobilis Füessly. Verz. schweiz. Insect. 1775 p. 50 n. 981 [nec Scopoli . Chrysis cyanura Gmelin, Linné: Syst. nat. Ed. 13a I, 5, 1790 p. 2747 n. 22. Stilbum splendida Spinola, Insect. Ligur. I. 1806 p. 9 [nec Fabr. & auct.]. Chrysis splendida Lepeletier. Ann. mus. hist. nat. VII. 1806 p. 126 n. 9. Chrysis splendida Jurine, Nouv. méth. Class. Hymén. 1807 p. 295, ⊆ 3. Hedvehrum splendidum Klug, Magaz, Ges. naturf. Fr. Berlin I. 1807 p. 77 n. 29. Stilbum splendidum Latreille, Gen. Crust. & Insect. IV. 1809 p. 48. Stilbum splendidum Lepeletier, Encycl. méthod. Insect. X. 1825 p. 494 n. 1. Stilbum splendidum Blanchard, Hist, nat. Insect. III, 1840 p. 297 n. 2; T. 3 F. 3. Stilbum Wesmaeli Dahlbom, Dispos. method. Hymen. II. 1845 p. 16 n. 3. Stilbum Westermanni Dahlbom, Dispos. method. Hymen. II. 1845 p. 16 n. 4 p. p.]. Stilbum splendidum Dahlbom, Dispos. method. Hymen. II. 1845 p. 16 n. 5, ⊊ ♂. Stilbum splendidum Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 15 n. 1.  $\subseteq \Im$ . Chrysis Stilbum splendidumBlanchard, Cuvier: Régne anim. Ed. 3a Insect. II. 1849, T. 116 F. S. Stilbum splendidum Dahlbom, Öfvers, Svensk, Vet.-Akad, Förh, 1850 p. 142 n. 9. Stilbum splendidum var. b-e Dahlbom, Hymen. Europ. II. 1854 p. 358 n. 199,  $\subseteq \mathbb{G}$ ; T. 12 F. 114. Stilbum Wesmaeli Dahlbom, Hymen. Europ. II. 1854 p. 359 n. 200, 3. Stilbum splendidum Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 79 n. 1 [p. p.]. Stilbum splendidum Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 564 n. 1. Stilbum splendidum Schenck, Progr. Gymnas. Weilburg 1870 p. 16 n. 21 [p. p.]. Stilbum splendidum Radoszkowski. Horae soc. entom. Ross. XII. 1876 p. 149 n. 107. Stilbum amethystinum var. festivum Mocsáry, Topogr. med. & phys. Budapest 1879 p. 81. Stilbum calens Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 40 [nec Fabr.]. Stilbum splendidum Lamprecht, Goldwesp. Deutschlands 1881 p. VIII n. 7. Stilbum amethystinum var. festivum Mocsáry, Chrysid, faun. Hungar, 1882 p.43 & 83 n.2, ⊆ 3. Stilbum calens Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 46 n. 16. Stilbum amethystinum Destefani, Natural. Sicil. VII. 1888 p. 94. Stilbum cyanusum Mocsáry, Monogr. Chrysid. 1889 p. 190 n. 202, \$\infty\$ 5: T. 2 F. 3, 4 & 16. Stilbum cyanurum Frey-Gessner, Bull. soc. Murith XVI./XVIII. 1890 p. 73. var. amethystinum Fabr.) Lep.¹ — ⊆ β — As., Austr., Afr., Am.: Ontario, Venezuela. Chrysis amethystina Fabricius. System. entom. 1775 p. 359 n. 12. Chrysis amethystina Fabricius. Spec. Insect. I. 1781 p. 457 n. 15. Chrysis amethystina Fabricius, Mant. Insect. I. 1787 p. 284 n. 18. Chrysis amethystina Gmelin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2746 n. 18. Chrysis amethystina Olivier, Encycl. méthod. Inscet. V. 1790 p. 672 n. 4. Chrysis amethystina Christ, Naturg. d. Insect. 1791 p. 404. Chrysis amethystina Fabricius, Entom. system II. 1793 p. 243 n. 22. Chrysis amethystina Donovan, Insects of India 1800 p. 88: T. 56 F. 3. Chrysis amethystina Fabricius. Syst. Piez. 1804 p. 176 n. 32. Chrysis amethystina Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 126 n. 11. Stilbum amethystinum Lepeletier, Encycl. méthod. Insect. X. 1825 p. 494 n. 3. Stilbum splendidulum Westwood, Donovan Insects of India N. Ed. 1842 p. 88; T. 56 F. 3. Stilbum amethystinum Dahlbom, Dispos. method. Hymen. II, 1845 p. 16 n. 6, C. Stilbum splendidum var. a Dahlbom, Hymen, Europ. II, 1854 p. 358 n. 199. Stilbum amethystinum Smith, Journ. Linn. soc. Zool. III. 1858 p. 177. Stilbum splendidum Gerstaecker, Peters: Mossambique. Zool. V. 1862 p. 519. Stilbum amethystina Smith, Trans. Entom. Soc. London 1874 p. 398 & 470 n. 1 [p. p.]. Stilbum amethystinum Mocsáry, Chrysid, faun. Hungar, 1882 p. 43 & 83 n. 2, Q 3. Stilbum splendidum Magretti, Ann. mus. eiv. Genova XXI. 1884 p. 534 n. 17.

<sup>1</sup> Hym.: Eumenes tinctor Christ Smith, Magretti.





Stilbum. 39

Stilbum amethystinum Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 243. C. Stilbum amethystinum Provancher, Addit. faun. Canada. Hymén. 1887 p. 213, Ç. Stilbum amethystinum Radoszkowski, Horac soc. entom. Ross. XXIII. 1889 p. 34; T. 6 F. 70. Stilbum evanurum var. amethystinum Moesáry, Monogr. Chrysid. 1889 p. 192, 9, 5. var. nobile Sulz., Spin. 1 — ⊆ 3 — Eur. mer.; Afr.: Algeria; As. occ. & centr. Chrysis nobilis Sulzer, Abgek, Gesch, Insect, I.1776 p.193 n.59; T.27 F.7 [neeKlug,neeFüessly]. Chrysis calens Fabricius, Spec. Insect. I. 1781 p. 455 n. 3. Chrysis calens Cyrillo, Entom. Neap. specim. 1787 p. 4; T. 4 F. 2. Chrysis calens Fabricius, Mant. Insect. I. 1787 p. 283 n. 3. Chrysis calens Römer, Gen. Insect. 1789 p. 59 n. 120; T. 27 F. 7. Chrysis calens Gmelin. Linné: Hist. nat. Ed. 13a I. 5. 1790 p. 2744 n. 10. Chrysis calens Olivier, Encycl. méthod. Insect. V. 1790 p. 672 n. 5 excl. patria'. Chrysis calens Rossi, Fauna Etrusca II, 1790 p. 74 n. 841. Chrysis nobilis Christ, Naturg. d. Insect. 1791 p. 405; T. 45 F. 3. Chrysis calens Fabricius, Entom, system. II. 1793 p. 239 n. 4. Chrysis calens Coquebert, Illustr. iconogr. Insect. H. 1801 p. 61; T. 15 F. 11. Chrysis calens Fabricius, Syst. Piez. 1804 p. 171 n. 4. Chrysis calens Latreille, Hist, nat. Crust. & Insect. XIII, 4805 p. 237 n. 1. Stilbum calens Spinola, Insect. Ligur. I. 1896 p. 9 & 63 n. 1. Chrysis calens Lepeleticr, Ann. mus. hist. nat. VII. 1806 p. 126 n. 10. Chrysis calens Illiger, Rossi: Fauna Etrusca Ed. 2a H. 1807 p. 119 n. 841; Tab. A F. 3. Chrysis calens Jurine, Nouv. méthod. class. Hymén. 1807 p. 295, 3. Stilbum calens Spinola, Insect. Ligur. II. 1808 p. 3. Stilbum calens Latreille, Gen. Crust. & Insect. IV. 1809 p. 48. Chrysis ealens Lamarck, Hist. nat. anim. s. vent. IV. 1817 p. 126 n. 3. Stilbum calens Lepeletier. Encycl. méthod. Insect. X. 1825 p. 494 n. 2. Chrysis calens Lamarck, Hist, nat, anim, s. vent. Ed. 2ª IV, 1835 p. 339 n. 3. Stilbum calens Blanchard, Hist, nat. Insect. III, 1840 p. 297 n. 1. Stilbum calens Ghiliani. Atti accad. Gioenia XIX. 1842 p. 21. Stilbum calens Imhef & Labram, Insect. d. Schweiz IV. 1845 T. 27. Stilbum calens Brullé, Hist. nat. insect. Hymén. IV. 1846 p. 16 n. 2, C 3; T. 37 F. 2. Stilbum calens Lucas. Explor. sc. Algérie. Zool. III. 1846 p. 315 n. 360. Stilbum calens Dahlbom, Hymen, Europ. II. 1854 p. 360 n. 201, ⊆ ♂; T. 12 F. 115. Stilbum calens Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 79 n. 2. Stilbum calens Eversmann, Bull. soc. natural. Moscou XXX, 4, 1857 p. 564 n. 2. Stilbum calens Chevrier, Descr. Chrysid Léman 1862 p. 7. & 3. Stilbum calens Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 308 n. 53; T. 6 F. 35. Stilbum calens Schenck, Progr. Gymnas. Weilburg 1870 p. 16 n. 22. Stilbum calens Lichtenstein, Ann. soc. entom. France 5 III, 1873 Bull. p. XV. Stilbum amethystinum Smith, Trans. Entom. Soc. London 1874 p. 470 n. 2 p. p. . Stilbum calens Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877 p. 24 n. 50, & 3. Stilbum splendidum Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 40 [nee Fabr.]. Stilbum calens Lamprecht, Goldwesp. Deutschlands 1881 p. VIII n. 8 Tab. F. 3. Stilbum nobile Mocsáry, Chrysid. faun. Hungar. 1882 p. 42 n. 1, 9 3. Stilbum nobile Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 46 (p. p., Stilbum calens Cuisine. Ann. soc. entom. France 6 VIII. 1888 Bull. p. CLVII. Stilbum nobile Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 34, 3; T. 6 F. 69. Stilbum cyanurum var. nobile Mocsáry, Monogr. Chrysid. 1889 p. 191, 9 5.

<sup>1</sup> Hym.: Chalicodoma muraria Fabr. Lichtenstein.

var. siculum Tourn.¹) — ♀ ♂ — Eur.: Sicilia, Malta.

? Chrysis punctatissima Villers, C. Linnaei Entom. III. 1789 p. 259 n. 13; T. S F. 16

? Stilbum calens var. speciosa Ghiliani, Atti acead. Gioenia XIX. 1842 p. 24.

Stilbum Westermanni Dahlbom, Dispos. method. Hymen. II. 1845 p. 16 n. 4 [p. p.]. Stilbum splendidum var. d Dahlbom, Hymen. Europ. II. 1854 p. 358 n. 199; T. 12 F. 114.

Stilbum Sieulum Tournier, Mittheil. Schweiz. entom. Ges. V. 6. 1878 p. 307, & 3.

Stilbum eyanurum var. Sieulum Moesáry, Monogr. Chrysid. 1889 p. 191, Q 3.

rar. speciosum Ghil. 2 — Eur.: Sicilia.

Stilbum calens var. speciosa Ghiliani, Atti accad. Giocnia XIX. 1842 p. 24.

var. splendidum 'Fabr.) Rits. — ♀ ♂ — Austr., N. Caledonia.

Chrysis splendida Fabricius, Syst. entom. 1775 p. 357 n. 1.

Chrysis splendida Fabricius, Spec. Inscet. I. 1781 p. 454 n. 1.

Chrysis splendida Fabricius, Mant. Insect. I. 1787 p. 282 n. 1.

Chrysis splendida Gmelin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2744 n. 5.

Chrysis splendida Olivier, Encycl. méthod. Inscet. V. 1790 p. 672 n. 1.

Chrysis splendida Christ, Naturg. d. Insect. 1791 p. 401, &; T. 44 F. S.

Chrysis splendida Fabricius, Entom. system. II. 1793 p. 238 n. 1.

Chrysis splendida Fabricius, Syst. Piez. 1804 p. 170 n. 1.

Chrysis Spinolae Montrouzier, Ann. soc. Linn. Lyon 2 XI. 1864 p. 249.

Stilbum variolatum Costa, Ann. mus. zool. Napoli II. (1862, 1864 p. 67 n. 1967.

Stilbum splendidum Ritsema, Tijdschr. v. Entom. XVII. 1874 p. 181 n. 4.

Stilbum splendidum Smith, Trans. Entom. Soc. London 1874 p. 469 n. 1,  $\subseteq \mathcal{Z}$ .

Stilbum splendidum Mocsáry, Chrysid. faun. Hungar. 1882 p. 44 & 83 nota.

Stilbum cyaneum var. splendidum Moesáry, Monogr. Chrysid. 1889 p. 193,  $\subsetneq$  3. viride Guér.  $- \subsetneq \beta$  — Afr.: Madagascar.

Stilbum viride Guérin, Rev. zool. 1842 p. 144 n. 1, Ç.

Stilbum viride Brullé, Hist. nat. inseet. Hymén. IV. 1846 p. 16 n. 3, 3.

Stilbum viride Smith, Trans. Entom. Soc. London 1874 p. 470 n. 3.

Stilbum viride Mocsáry, Monogr. Chrysid. 1889 p. 193 n. 203, & 3.

# CHRYSASPIS

Saussure, Soc. entom. II. 1887 p. 25. χουσός, aurum; ἀσπίς, seutellum.

grandidieri Sauss. —  $\subseteq \mathfrak{Z}$  — Afr.: Madagasear.

Chrysaspis Grandidieri Saussure, Soc. entom. II. 1887 p. 25 n. 1, Q 3.

## CHRYSIS

Linné, Fauna Suce. Ed. 2a 1761 p. 414. Mocsáry, Monogr. Chrysid. 1889 p. 194. Nom. propr.: xgv ois, vas aureum.

Synon.: Sphex Linné & auet. ant.

Spintharis Klug.

Vespa Geoffroy & Foureroy.

Subg.: Brugmoia Radoszkowski, Fedtschenko: Turkestan. Chrysid. 1877 p. 26 n. 2.
Brugmoi, Nom. propr.

Chrysoura Dahlbom, Dispos, method, Hymen, II. 1845 p. 6 n. 7. zorgós, aurum: orgá, cauda.

<sup>1)</sup> Hym.: Chalicodoma sicula Rossi (Tournier,

<sup>&</sup>lt;sup>2</sup><sub>j</sub> = ? Stilbum eyanurum var. sieulum (Tourn.).





Chrysis. 41

Cymura Dahlbom, Dispos. method. Hymen. II. 1815 p. 4 n. 3. zčua, unda; očoá, cauda.

Diehrysis Lichtenstein, Pet. nouv. entom. H. 1876 p. 27.

dis, dupliciter; Chrysis, nom. propr. Hymen.

Euchroeus Latreille, Gen. Crust. & Insect. IV. 1809 p. 49 n. 478. εὐχορία, color sanus.

Gonochrysis Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

yorv, genu: Chrysis, nom. propr. Hymen.

Heptachrysis Monogr. Chrysid. 1889 p. 594 n. 9. επιά, septem; Chrysis, nom. propr. Hymen.

Hexachrysis Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

έξ, sex; Chrysis, nom. propr. Hymen.

Holochrysis Lichtenstein, Pet. nouv. entom. II. 1876 p. 27 Olochrysis.

ολος, totus; Chrysis, nom. propr. Hymen.

Monochrysis Lichtenstein, Pet. nouv. entom. H. 1876 p. 27.

uoros, solus: Chrysis, nom. propr. Hymen.

Pentaehrysis Liehtenstein, Pet. nouv. entom. II. 1876 p. 27.

πέντε, quinque: Chrysis, nom. propr. Hymen.

Platycelia Dahlbom, Dispos. method. Hymen. II. 1845 p. 8 n. 8.

πλατές, planus; Celia, nom. propr. Hymen.

Polyodontus Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877 p. 25 n. 3. πολύς, multus: ὀσούς, dens.

Pyria Lepeletier, Eneyel. méthod. Insect. X. 1825 p. 494. πèφ, ignis.

Spinolia Dahlbom, Hymen. Europ. II. 1854 p. 362 & 363 n. 10.

M. Spinola, Nom. propr.

Tetrachrysis Lichtenstein. Pet. nouv. entom. II. 1876 p. 27.

τέτταρες, quatuor; Chrysis, nom. propr. Hymen.

Trichrysis Lichtenstein, Pet. nouv. entom. II. 1876 p. 27. τρείς, tres; Chrysis, nom. propr. Hymen.

aaronii Moes. —  $\subseteq \mathcal{F}$  — Am.: Montana, Utah.

[57 [nee Gerstäcker].

Chrysis Tetrachrysis hirsuta Aaron, Trans. Amer. Entom. Soc. XII.1885p.235,  $\subseteq 3$ ; T.9F.56& Chrysis Tetrachrysis Aaroni Mocsáry. Monogr. Chrysid. 1889 p. 386 n. 450,  $\subseteq 3$ ; T. 2 F. 20. abeillei Grib.  $\subseteq A$ S.: Syria.

Chrysis Abeillei Gribodo, Ann. mus. civ. Genov. XIV. 1879 p. 332 n. 9, ⊊.

Chrysis Tetrachrysis Abeillei Moesáry, Monogr. Chrysid. 1889 p. 420 n. 498,  $\varsigma.$ 

admiranda Mocs. — 3 — As.: Java.

Chrysis Pentachrysis admiranda Moesáry, Monogr. Chrysid. 1889 p. 528 n. 619,  $\mathfrak{Z}$ . advena Moes. —  $\mathfrak{L}$  — Austr.

Chrysis Hexachrysis advena Mocsáry, Monogr. Chrysid. 1889 p. 563 n. 667,  $\subseteq$  aenescens Mocs. —  $\subseteq$  — Am.: Cayenne.

Chrysis Hexachrysis aenescens Mocsáry, Monogr. Chrysid. 1889 p. 577 n. 685,  $\subseteq$ . aequinoctialis Dahlb. —  $\subseteq$  5 — Am.: Brasilia.

Chrysis aequinoctialis Spinola Dahlbom, Hymen. Europ. II. 1854 p. 330 n. 186, ⊊ 5. Chrysis Hexachrysis aequinoctialis Mocsary. Monogr. Chrysid. 1889 p. 578 n. 687, ⊊ 5.

aeruginosa Dahlb. — ⊆ — Eur.: Germania, Helvetia. Tirolia.

Chrysis aeruginosa (Klug, Dahlbom, Hymen, Europ. II. 1854 p. 267 n. 148, ⊊.

Chrysis aeruginosa Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 77 n. 23, Q.

Chrysis aeruginosa Schenek, Progr. Gymnas. Weilburg 1870 p. 15 n. 17, C.

Chrysis aeruginosa Lamprecht. Goldwesp. Deutschlands 1881 p. XVII n. 48, Ç.

Chrysis aeruginosa Frey-Gessner, Hymen, Helvet, Chrysid, 1887 p. 54 & 74, ♥.

Chrysis Tetrachrysis acruginosa Mocsáry, Monogr. Chrysid, 1889 p. 466 n. 542, C. Chrysis aeruginosa Frey-Gessner, Bull. soc. Murith. XVI, XVIII, 1890 p. 82 & 97 n. 29. "aestiva Dahlb. 1 — ⊆ 3 — Eur.: Hispania, Gallia, Sicilia, Dalmatia, Helvetia,

Chrysis aestiva Dahlbom, Hymen, Europ. II. 1854 p. 286 n. 161, ⊆. Chrysis aestiva Abeille, Feuille jeun. natural. VII. 1877 p. 67 n. 12.

Chrysis aestiva Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 56 & 68,  $\subseteq$  3.

Chrysis aestiva Marquet. Bull. soc. hist. nat. Toulouse XIII. 1879 p. 160.

Chrysis aestiva Frey-Gessner, Hymen, Helvet, Chrysid, 1887 p. 53 & 68, ⊊ 5; T. 3 F. 21,

Chrysis aestiva Destefani, Natural, Sicil. VII, 1888 p. 157.

Chrysis Tetrachrysis aestiva Mocsáry, Monogr. Chrysid, 1889 p. 476 n. 555, ⊊ ♂.

Chrysis aestiva Frey-Gessner, Bull. soc. Murith. XVI., XVIII, 1890 p. 80 & 98 n. 31; T. 3 F. 21. aethiopica Mocs. — 3 — Afr.: Abyssinia. kowski 1879. nec Cresson'.

Chrysis dubia Radoszkowski, Horae soc. entom. Ross. XII. 1876 p. 148 n. 104! [nec Radosz-Chrysis Tetrachrysis, Aethiopica Mocsáry, Monogr. Chrysid, 1889 p. 362 n. 411, 5. affinis Luc. — Afr.: Algeria.

Chrysis affinis Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 305 n. 341.

Chrysis Holochrysis affinis Mocsáry, Monogr. Chrysid. 1889 p. 278 n. 310.

affinis Curt.! — Eur.: Britannia.

Chrysis affinis Leach Curtis, Brit. Entom. I. 1824 p. 8 n. 2.

agilis Smith — ⊆ — Austr.: Queensland.

Chrysis agilis Smith. Trans. Entom. Soc. London 1874 p. 461 n. 15, ⊆.

Chrysis Hexachrysis agilis Mocsáry, Monogr. Chrysid. 1889 p. 562 n. 665,  $\subseteq$ albipilis Mocs. — 3 — Afr.: Aegyptus.

Chrysis Tetrachrysis, albipilis Mocsáry, Monogr. Chrysid. 1889 p. 366 n. 418, 5. albitarsis Mocs. — 3 — Afr.: Algeria.

Chrysis Holochrysis albitarsis Moesáry, Monogr. Chrysid, 1889 p. 252 n. 277, 5. albomarginata Moes. — 3 — Am.: Brasilia.

Chrysis (Tetrachrysis albomarginata Mocsáry, Monogr. Chrysid, 1889 p. 409 n. 484, 5. algira Mocs.  $- \subsetneq \emptyset$  — Afr.: Algeria.

Chrysis insignis Mocsáry, Monogr. Chrysid. 1889 p. 605 n. 720, ⊆ ♂ nec Lucas. Chrysis Spinolia Algira Mocsáry, Monogr. Chrysid, 1889 p. 606.

aliena Mocs.  $-\subseteq$  Am.: Brasilia.

Chrysis Trichrysis aliena Moesáry, Monogr. Chrysid, 1889 p. 332 n. 372, ⊆.

T. 6 F. 73. amabilis Rad. Mocs.  $- \subseteq \mathcal{F}$  — Afr.: Senegambia. Euchroeus amabilis Mocsáry) Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 36, ⊊ ♂;

Chrysis Euchroeus amabilis Mocsáry, Monogr, Chrysid, 1889 p. 599 n. 714,  $\subseteq \beta,$ amasina Mocs. — 3 — As. minor.

Chrysis Tetrachrysis Amasina Mocsáry, Monogr. Chrysid, 1889 p. 495 n. 573, 3; T. 2 F. 33. amazonica Mocs. — ⊊ — Am.: Brasilia.

Chrysis Trichrysis Amazonica Mocsáry, Monogr. Chrysid. 1889 p. 337 n. 377. C. amöna Ev. — ⊊ ♂ — As. Transural, Transcaspia. Persia.

Chrysis amoena Eversmann, Bull. soc. natural. Moscou XXX. 4. 1857 p. 562 n. 16, ⊆! Chrysis amoena Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 307 n. 49, ⊆; T. 5 F. 32. Chrysis Pentachrysis amoena Mocsáry, Monogr. Chrysid, 1889 p. 530 n. 621, ⊆ β.

analis Spin.2) — C 3 — Eur. centr. & mer.; As.: Caucasus.

Chrysis analis Spinola, Insect. Ligur. II. 1808 p. 26 n. 26! T. 4 F. 17 [non Chevrier & Abeille]. Chrysis Graelsii Guérin, Rev. zool. 1842 p. 148 n. 14, Ç.

<sup>1</sup> Hym.: Chalicodoma muraria Fabr. Destefani).

<sup>2</sup> Hym.: Osmia metallica Luc. Lucas.





43Chrysis.

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Chrysis analis Radoszkowski, Fedtschenko: Turkestan, Chrysid<br/>. 1877 p. 21 n. 40,  $\subseteq$  [excl.  $\Im$  ].

Chrysia analis Lamprecht, Goldwespen Deutschlands 1881 p. XVIII n. 51; T. 1 F. 22. anceps Grib. — Am.: Brasilia.

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Chrysis (Hexachrysis anceps Mocsáry, Monogr. Chrysid. 1889 p. 579 n. 688.

anceyi Buyss. — ⊊ — Afr.: Algeria.

Chrysis Ancevi Buysson, Rev. d'entom. VII. 1888 p. 6, C.

Chrysis Gonochrysis, Anceyi Mocsáry, Monogr. Chrysid. 1889 p. 299 n. 337. Q.

andréi Mocs. — 3 — Am.: Brasilia.

Chrysis (Holochrysis) Andrei Mocsary, Monogr. Chrysid. 1889 p. 215 n. 238. d.

<sup>1 = ?</sup> Chrysis analis Spin.

4.4 Chrysis.

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andromeda Grib. — \subseteq — Afr. aequat.. orient.
 Chrysis Andromeda Gribodo, Ann. mus. civ. Genova XXI. 1884 p. 317 n. 59, ⊊.
  Chrysis Hexachrysis Andromeda Mocsáry, Monogr. Chrysid. 1889 p. 557 n. 699, Ç.
angolensis Rad. — \subseteq \{3\} — Afr. acquat.
  Chrysis Angolensis Radoszkowski, Jorn. acad. sc. Lisboa VIII. 1881 p. 219 n. 125, ⊊.
  Chrysis Angolensis callaina Gribodo, Ann. mus. civ. Genova XXI. 1881 p. 319 n. 61, 3.
  Chrysis Tetrachrysis Angolensis Mocsáry, Monogr. Chrysid. 1889 p. 354 n. 400, ⊊ ♂.
angularis Mocs. - \subseteq - Afr.: Aegyptus.
  Chrysis Tetrachrysis' angularis Mocsáry, Monogr. Chrysid, 1889 p. 366 n. 417, ⊊; T. 2 F. 38.
angulata Dahlb. — ⊆ — Eur.: Sardinia, Corsica; As. minor, Persia.
  Chrysis angulata Dahlbom, Hymen. Europ. II. 1854 p. 277 n. 155, ⊊.
  Chrysis Tetrachrysis) angulata Lichtenstein, Pet. nouv. entom. H. 1876 p. 27.
  ? Chrysis rugulosa Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 89, 3.
  Chrysis Tetrachrysis angulata Mocsáry, Monogr. Chrysid. 1889 p. 505 n. 588, Ç; T. 2 F. 35.
  Chrysis Tetrachrysis angulata Mocsáry, Termész. Füzet. XIII. 1890 p. 63 n. 31.
angustifrons Ab. — \zeta \beta — Eur.: Hispania, Gallia, Hungaria; As.: Caucasus.
  Chrysis angustifrons Abeille, Diagn. Chrysid. nouv. 1879 p. 5 n. 27.
  Chrysis angustifrons Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 75 &81, ⊊ ♂; T.1 F. 27.
  Chrysis angustifrons Marquet. Bull soc. hist. nat. Toulouse XIII. 1879 p. 162.
  Chrysis carinaeventris Mocsáry, Chrysid. fann. Hungar. 1882 p. 50 & 84 n. 11, ⊊.
  Chrysis angustifrons Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p.68 n.41. [ご! T.3 F.30.
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annamensis Mocs. — \subseteq — As.: Cochinchina.
  Chrysis Tetrachrysis) Annamensis Mocsáry, Monogr. Chrysid. 1889 p. 377 n. 436, C.
annulata Buyss. — 3 — As.: Syria.
  Chrysis annulata Buysson, Rev. d'entom. VI. 1887 p. 192 n. 30. 3!
  Chrysis Tetrachrysis annulata Mocsáry, Monogr. Chrysid. 1889 p. 422 n. 501, 3.
apicalis Rad. — ♀ — Eur.: Russia; As.: Caucasus.
  Chrysis apicalis Radoszkowski, Hor. soc. entom. Ross. XV. 1879 p. 146 n. 54, Q!
  Chrysis Tetrachrysis) apicalis Mocsáry, Monogr. Chrysid. 1889 p. 466 n. 543, ⊊.
apicata Ab.! — Eur.: Gallia.
  Chrysis apicata Abeille, Feuille jeun. natural. VII. 1877 p. 67 n. 9.
apricans Smith -- As.: Celebes.
  Chrysis apricans Smith, Journ. of Proc. Linn. soc. zool. IV. 1860 Suppl. p. 66 n. 1.
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apricans Grav.! — Patria?
  Chrysis apricans Gravenhorst, Vergl. Übers. zool. System. 1807 p. 271 n. 3812.
araratica Rad. — As.: Armenia.
  Chrysis Araratica Radoszkowski, Horac soc. entom. Ross. XXIV. 1890 p. 509 n. 31.
areata Mocs. — \subseteq — Afr.: Madagascar.
  Chrysis Tetrachrysis areata Mocsáry, Monogr. Chrysid. 1889 p. 361 n. 408, Ç.
ariadne Mocs. — 13 — Eur.: Graccia; As.: Cancasus, Reg. Transcaspicae.
  Chrysis Tetrachrysis Ariadne Mocsáry, Monogr. Chrysid. 1889 p. 416 n. 494. 3.
arrogans Mocs. — \subseteq As. minor.
  Chrysis Pentachrysis arrogans Mocsáry, Monogr. Chrysid. 1889 p. 532 n. 623, Q.
artifex Smith — As.: China.
  Chrysis artifex Smith, Trans. Entom. Soc. London 1874 p. 456 n. 1.
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asiatica Rad. — 3 — As.: Turcestania.
                                                                          [nec Spinola].
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aspera Brullé — ⊊ — As.: Manilla.

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Chrysis Trichrysis aspera Mocsáry, Monogr. Chrysid, 1889 p. 328 n. 368, C.

audoninii Blanch. — 5 — Afr.: Madagascar.

Chrysis Audouinii Blanchard, Hist, nat. Insect. III, 1840 p. 295 n. 3.

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aurata Schrk.! — Eur.: Bavaria.

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Chrysis aureicollis Abeille, Diagn. Chrysid. nouv. 1878 p. 5 n. 28, Q.

Chrysis aureicollis Abeille, Annal. soc. Linn. Lyon XXVI. 1879 p. 75 & 82, ⊆.

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Chrysis (Holochrysis aureicollis Mocsáry, Monogr. Chrysid. 1889 p. 264 n. 293,  $\subsetneq \mathfrak{Z}$  .

aureomaculata Dahlb. — ♂ — Afr.: Guinea.

Chrysis aurcomaculata Dahlbom, Hymen. Europ. II. 1854 p. 239 n. 132.35.

Chrysis Tetrachrysis aureomaculata Mocsáry, Monogr. Chrysid. 1889 p. 418 n. 496, 5.

🗕 aurichalcea Prov. — ⊆ 3 — Am.: Canada. Maine.

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Chrysis aurichalcea Provancher, Faun. entom. Canada. Hymen. 1883 p. 579 n. 2, C.

Chrysis Dichrysis) aurichalcea Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 232, ⊆.

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Chrysis Tetrachrysis aurichalcea Mocsáry, Monogr. Chrysid. 1889 p. 499 n. 578,  $\subseteq$ 

aurifascia Brullé —  $\subseteq \circlearrowleft$  — Afr. : Cap.

Chrysis aurifascia Brullé, Hist. nat. Insect. Hymen. IV. 1846 p. 40 n. 27.

Chrysis alternans var. a Dahlbom, Hymen. Europ. II. 1854 p. 236 n. 130,  $\, \subsetneq \, \, \, \, \, \, 5 \, .$ 

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Chrysis Tetrachrysis, aurimacula Mocsáry. Monogr. Chrysid. 1889 p. 421 n. 499. 3.

aurolimbata Mocs. — — Afr.: Guinea.

Chrysis Tetrachrysis aurolimbata Mocsáry, Monogr. Chrysid. 1889 p. 353 n. 399,  $\subseteq$ . auropicta Mocs. —  $\subseteq$   $\circlearrowleft$  — Eur.: Graecia.

Chrysis Holochrysis) auropieta Mocsáry, Monogr. Chrysid. 1889 p. 264 n. 292.  $\subseteq$  3. auropunctata Mocs. —  $\subseteq$  — As.: Cochinchina.

Chrysis (Tetrachrysis) auropunctata Mocsáry, Monogr. Chrysid. 1889 p. 474 n. 553. ⊆. aurotecta Ab. — ⊆ 3 — Eur.: Corsica, Sardinia.

Chrysis aurotecta Abeille, Diagn. Chrysid. nouv. 1878 p. 3 n. 17.

Chrysis aurotecta Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 103, ⊊ ♂.

Chrysis (Tetrachrysis) aurotecta Mocsáry, Monogr. Chrysid. 1889 p. 449 n. 525. ⊆ ♂. aurulenta Mocs. — づ — As. minor.

Chrysis Tetrachrysis aurulenta Mocsáry, Monogr. Chrysid, 1889 p. 472 n. 550, 5.

aurulenta Curt.! — Eur.: Britannia.

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australasiae Grib. — 3 — Austr.

Chrysis Australasiae Gribodo, Ann. mus. civ. Genova VI. 1874 p. 360 n. 6.

Chrysis Pentachrysis Australasiae Mocsáry, Monogr. Chrysid. 1889 p. 520 n. 608. 3. anstraliaca Mocs. —  $\subsetneq$  — Austr.

Chrysis Holochrysis) Australiaea Mocsáry. Monogr. Chrysid. 1889 p. 201 n. 211. C.

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austriaca Fabr. 1 — 5 — Eur. tota: As.: Sibiria, Cancasus; Afr.: Algeria, Aegyptus.
  Chrysis ignita var. Fabricius. Entom. system. II. 1793 p. 241 n. 10. ⊆ [descr. sola].
  Chrysis Austriaca Fabricius, Syst. Piez. 1804 p. 173 n. 15, C.! [descr. sola.]
  Chrysis Austriaca Lepeletier, Ann. mus. hist. nat. VII, 1506 p. 128 n. 26.
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  Chrysis Austriaea Curtis, Brit. Entom. I. 1824 p. 5 n. 19.
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  Chrysis Austriaea Dahlbom, Hymen. Europ. II. 1854 p. 120 n. 67. ⊆ 3.
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   Chrysis Austriaea Schenck, Jahrb. Ver. Naturk. Nassau XVI. 1861 p. 174 n. 1.
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   Chrysis Austriaca Schenck, Progr. Gymn. Weilburg 1870 p. 9 n. 1.
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   Chrysis Austriaca Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 55 & 64, ⊆ 3; T. 1 F. 17.
   Chrysis Austriaca Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 160.
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   Chrysis Austriaca Lamprecht, Goldwesp. Deutschlands 1881 p. X n. 11; Tab. F. 5.
   Chrysis Austriaea Moesáry, Chrysid, faun. Hungar, 1882 p. 47 & 83 n. 5, \mathfrak Q \mathfrak Z; T. 1 Fig. 11.
   Chrysis Austriaca Frey-Gessner, Hymen Helvet. Chrysid. 1887 p. 50 & 60, ⊊ ♂; T. 3 F. 14.
   Chrysis Austriaca Gogorza, Anal. soc. Españ. hist. nat. XVI, 1889 p. 53 n. 21.
   Chrysis Austriaea Destefani, Natural. Sicil. VII. 1888 p. 160.
                                                                                T. 2 F. 23.
   Chrysis Olochrysis Austriaca Radoszkowski, Horae soc. entom. Ross. XXIII. 1889 p. 14, 5;
   Chrysis Holochrysis: Austriaea Moesáry. Monogr. Chrysid. 1889 p. 254 n. 279, ⊊ ♂.
   Chrysis Austriaca Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p.77&86 n.5; T. 3 F. 14.
 azteca Mocs. — \subseteq — Am.: Mexico.
   Chrysis Holochrysis) azteca Mocsáry, Monogr. Chrysid, 1889 p. 209 n. 227, C.
 barbara Luc.²/ — ⊊ — Afr.: Algeria.
   Chrysis barbara Lucas. Explor. sc. Algérie. Zool. III. 1846 p. 307 n. 346. ⊊! T. 17 F.4.
   Chrysis barbara Lucas, Ann. soc. entom. France (2) V. 1847 Bull. p. XC.
   Chrysis barbara Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 78.
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 basalis Dahlb.³) — ⊆ 5 — Afr.: Algeria.
   Chrysis basalis Dahlbom, Hymen. Europ. II. 1854 p. 106 n. 58 [nec auct. rec.].
   Chrysis basalis Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 45 & 47, 3.
   Chrysis Holochrysis; basalis Moesáry, Monogr. Chrysid. 1889 p. 221 n. 246, ⊆ ♂.
 bellula Guér. — ⊊ 3 — Afr.: Madagascar. Cap.
   Chrysis bellula Guérin, Rev. zool. 1842 p. 149 n. 16. ⊆ 3.
   Chrysis sinuata Dahlbom. Dispos. meth. Hymen. II. 1845 p. 12 n. 18. ♂ [excl. ⊆. nec Brullé].
   Chrysis sinuosa Dahlbom, Hymen, Europ. H. 1854 p. 153 n. 84, 3; T. 7 F. 90.
   Chrysis Gonochrysis) sinuosa Lichtenstein. Pet. nouv. entom. II. 1876 p. 27. 3.
   Chrysis Gonochrysis bellula Mocsáry. Monogr. Chrysid. 1892 p. 296 n. 334, Ç 3.
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 $<sup>\</sup>perp$  Hym.: Odynerus crassicornis Panz. (Lambrecht); Osmia parietina Smith Smith); O. caementaria Gerst. (Mocsáry.

<sup>&</sup>lt;sup>2</sup> Hym.: Osmia ferruginea Latr., O. caerulescens L. Lucas.

<sup>3</sup> Hym.: Odynerus Dantici Rossi Dours). Osmia metallica Luc. Radoszkowsky.





bengalensis Mocs. — ⊆ — As.: India.

Chrysis Pentachrysis Bengalensis Mocsáry, Monogr. Chrysid, 1889 p. 527 n. 617, Ç.

beryllina Gmel.! — Patria?

Chrysis spec. Zschach, Mus. Leskean, 1788 p. 73 n. 401.

Chrysis beryllina Gmelin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2747 n. 23.

Chrysis beryllina Mocsáry, Monogr. Chrysid. 1889 p. 621 n. 1.

bihamata Spin. — ⊆ — Eur.: Hispania; Afr.: Aegyptus.

Chrysis bihamata Spinola, Ann. soc. entom. France VII. 1838 p. 450 n. VIII, C.

Chrysis prasina var. Klug. Symb. physic. P. 5, 1845 Insect. n. 10.

Chrysis bihamata Dahlbom, Hymen, Europ. II. 1854 p. 182 n. 99, ⊊; T. 9 F. 103.

Chrysis bihamata Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 76 & 89.

Chrysis bihamata Gogorza, Anal. soc. Españ. hist. nat. XVI. 1887 p. 71 n. 44, Ç.

Chrysis Dichrysis bihamata Mocsáry, Monogr. Chrysid. 1889 p. 316 n. 355, Ç.

binominata Mocs. — 3 — Am.: Brasilia.

Chrysis Tetrachrysis fraterna Mocsáry, Monogr. Chrysid. 1889 p. 399 n. 473, 5 nec. p. 322).

Chrysis binominata Mocsáry, Monogr. Chrysid. 1889 p. 628.

bipartita Smith  $- \subseteq -$  Austr.

Chrysis bipartitus Smith, Trans. Entom. Soc. London 1874 p. 462 n. 16, Ç.

Chrysis Hexachrysis bipartita Mocsáry, Monogr. Chrysid. 1889 p. 539 n. 632, Ç.

bispilota Guér. — ⊊ 3 — Afr.: Madagascar.

Chrysis Pyria bispilota Guérin, Rev. zool, 1842 p. 145 n. 5, Q.

Pyria plurimacula Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 22 n. 5. ♂ ⊊.

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Pyria polystigma Buysson, Rev. d'entom. VI. 1887 p. 199 n. 37, 3.

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Chrysis (Hexachrysis bispilota Mocsáry, Monogr. Chrysid, 1889 p. 583 n. 693, Q 3.

blanchardii Luc. - Afr.: Algeria.

Chrysis Blanchardi Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 308 n. 348; T. 17 F. 6.

Chrysis Blanchardi Abeille, Ann. soc. Linn. Lyon XXVI 1879 p. 42 & 44.

Chrysis Tetrachrysis Blanchardi Mocsáry, Monogr. Chrysid, 1889 p. 349 n. 392,

branickii Rad. — 3 — Afr : Acgyptus.

Chrysis Branicki Radoszkowski, Horae soc. entom. Ross, XII, 1876 p.107 n. 31, 31 T. 2 Fig.C.

Chrysis Gonochrysis Branicki Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 18, 3: T.3

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brasiliana Guér. — ⊊ ♂ — Am.: Brasilia.

Chrysis Brasiliana Guérin, Rev. zool. 1842 p. 146 n. 8.

Chrysis producta Brullé, Hist. nat. Insect. Hymén. IV. 4846 p. 44 n. 32, ⊆.

Chrysis Trichrysis Brasiliana Mocsáry, Monogr. Chrysid, 1889 p. 333 n. 373,  $\subseteq \ \ \ 5$ 

brasiliensis Brullé — ⊊ — Am.: Brasilia.

Chrysis Brasiliensis Brullé, Hist. nat. Insect. Hymén, IV. 1846 p. 35 n. 19,  $\subsetneq.$ 

Chrysis (Tetrachrysis Brasiliensis Mocsáry, Monogr. Chrysid, 1889 p. 400 n. 474, Ç.

brevitarsis Thoms. — Eur.: Suecia.

Chrysis brevitarsus Thomson, Opusc. entom. P. 2, 1870 p. 107 n. 11.

Chrysis Tetrachrysis brevitarsis Mocsáry, Monogr. Chrysid, 1889 p. 492 n. 568.

buyssonii Mocs. — ⊆ 3 — As. minor, China.

Chrysis pellucida Buysson, Rev. d'entom. VI. 1887 p. 183 n. 19, ⊊ ♂ [nec Radoszkowski .

Chrysis Trichrysis, buyssoni Moesáry, Monogr. Chrysid, 1889 p. 323 n. 362,  $\subsetneq \ \mathfrak{Z}.$ 

caelestina Klug — Afr.: Aegyptus.

Chrysis coelestina Klug, Symb. physic. P. 5. 1815 Insect. T. 45 F. 4.

Chrysis Tetrachrysis coelestina Mocsáry, Monogr. Chrysid. 1889 p. 364 n. 414.

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caerulans Fabr. — ⊆ 3 — Am. bor., centr. & mer.; As.: China?
  Chrysis coerulans Fabricius. Syst. Piez. 1804 p. 172 n. 10. ⊆ [nec Radoszkowski].
  Chrysis coerulans Lepeletier, Ann. mus. hist. nat. VII, 1806 p. 126 n. 8, C.
  Chrysis cocrulans Jurine, Nouv. méth. class. Hymén. 1807 p. 295, ⊊.
  Chrysis coerulans Dahlbom, Dispos. method. Hymen. II. 1845 p. 13 n. 26.
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  Chrysis coeruleiventris Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 75 & 79, Q.
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  Chrysis Caesar Christ, Naturg. d. Insect. 1791 p. 397, 3; T. 44 F. 1.
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 callaina Grib. 4) - 3 - Afr. aequinoct.
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 callimorpha Mocs. — ⊆ 3 — Eur.: Sicilia, Gallia, Helvetia, Hungaria.
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   Chrysis Hexachrysis calimorpha Mocsáry, Monogr. Chrysid, 1889 p. 535 n. 625, \subsetneq 3.
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 callosa Mocs. — ⊊ ♂ — Am.: Chile?
   Chrysis Tetrachrysis callosa Mocsáry, Monogr. Chrysid. 1889 p. 406 n. 482, Q 3.
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<sup>1 = ?</sup> Chr. Angolensis Rad. Mocsáry.



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canaliculata Brullé — ⊊ — Afr.: Senegambia.
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eapensis Moes. — 3 — Afr.: Cap.

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carinulata Mocs. — ♀ — Am.: Brasilia.

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Chrysis Gonochrysis chalcites Moesáry, Termész. Füzet. XIII. 1890 p. 55 n. 18, Q. chalcophana Mocs. — 3 — As.: Caucasus.

Chrysis (Holochrysis; chalcophana Moesáry, Monogr. Chrysid. 1889 p. 213 n. 234, 3. charon Moes. — Q — Afr.: Algeria.

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  Chrysis Chevrieri Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 84 & 98 n. 32; T. 3 F. 25.
var. orientalis Mocs. - \subsetneq \emptyset — Eur.: Graecia; As.: Caucasus.
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chlorata Moes. - \subsetneq - Am.: Brasilia.
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chloris Mocs. — 🗣 🕉 — Eur.: Graecia; Afr.: Algeria.
  Chrysis (Tetrachrysis) chloris Mocsáry, Monogr. Chrysid. 1889 p. 480 n. 560, 3.
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Chrysis (Tetrachrysis chrysochlora Mocsáry, Monogr. Chrysid. 1889 p. 515 n. 600, Q. chrysoprasina Först. 1 — ♀ ♂ — Eur. mer. & orient.; As.: Armenia.

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<sup>1)</sup> Hym: Osmia emarginata Gir., Chalicodoma Pyrenaica Lepel. (Frey-Gessner).

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  Chrysis chrysorrhousa Mocsáry, Monogr. Chrysid. 1889 p. 621 n. 3.
chrysostigma Mocs. — C 3 — Eur.: Italia, Helvetia, Hungaria, Graecia.
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  Chrysis chrysostigma Frey-Gessner, Bull. soc. Murith. XVI./XVIII. p. 80 & 95 n. 23.
cingulata Först. — 3 — Eur. mer.
  Chrysis eingulata Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 323 n. 83, 3.
  Chrysis Tetrachrysis eingulata Mocsáry. Monogr. Chrysid. 1889 p. 423 n. 502. 3.
circe Mocs. — \subseteq — As.: Caucasus.
  Chrysis (Holochrysis) Circe Mocsáry, Monogr. Chrysid. 1889 p. 230 n. 254, Q.
cirtana Luc. — Afr.: Algeria.
  Chrysis Cirtana Lucas, Explor. sc. Algérie. Zool. 1846 p. 310 n. 321; T. 17 F. 7.
  Chrysis Cirtana Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 75 & 79.
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  Chrysis clara Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 313 n. 11, Q.
  Chrysis Hexachrysis) elara Aaron, Trans. Amer. Entom. Soc. XII. 1885 p.240, \circlearrowleft 3; T.10 F.83.
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 clypeata Mocs. — 3 — Am.: Mexico.
   Chrysis (Tetrachrysis clypeata Mocsary, Monogr. Chrysid, p. 393 n. 463, §.
cobaltina Aar. — \subsetneq — Am.: Massachusetts.
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   Chrysis (Holochrysis) cobaltina Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 228, \varsigma.
   Chrysis (Holochrysis) cobaltina Mocsáry. Monogr. Chrysid. 1889 p. 208 n. 225, Q.
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Chrysis (Tetrachrysis) communis Mocsáry, Monogr. Chrysid. 1889 p. 370 n. 423, Q 3. comottii Grib. — As.: Ind. or., Malay. Achip.

Chrysis insularis Smith, Journ. of Proc. Linn. Soc. Zool. III. 1858 p. 26 n. 2 [necGuérin]. Chrysis Comottii Gribodo, Ann. mus. eiv. Genova XXI. 1884 p. 367 n. 33.

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Chrysis comparata Lamprecht, Goldwesp. Deutschlands 1881 p. XVI n. 44 [nec Lepeletier . compta Först. — 🗜 🛪 — Eur. centr. & orient.; As. minor, Tauria, Caucasus.

Chrysis comta Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p.314 n.76,  $\circlearrowleft$ ! [& auct.]. Chrysis comparata Eversmann, Bull. soc.natural. Moscou XXX.4. 1857 p.557 n.7,  $\circlearrowleft$ ! [necLepel. Chrysis comparata Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 307 n.47,  $\circlearrowleft$ ; T.5 F.31. Chrysis adulterina Abeille, Diagn. Chrysid. nouv. 1878 p. 4 n. 22,  $\circlearrowleft$ .

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Chrysis Tetrachrysis) confluens Mocsáry, Termész. Füzet. XIII. 1890 p. 56 n. 20,  $\Im$ . conica Brullé. —  $\Im$  — Am.: Cayenne.

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Chrysis Gonochrysis) consanguinea Mocsáry, Monogr. Chrysid. 1889 p. 299 n. 336,  $\mathbb Q$  5. consimilis Cress. —  $\mathbb Q$  — Am.: Cuba.

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Chrysis (Pentachrysis) crassiscuta Mocsáry, Monogr. Chrysid. 1889 p. 524 n. 613,  $\varsigma$ . cristovallensis Montr. — Austr.: N. Caledonia.

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Chrysis (Hexachrysis) Cristovallensis Mocsáry, Monogr. Chrysid. 1889 p. 539 n. 633. croesus Mocs. — 3 — Afr.: Cap.

Chrysis (Tetrachrysis) Croesus Mocsáry, Termész. Füzet. XIII. 1890 p. 61 n. 28,  $\Im$ . cuprata Dahlb. $^2/- \subsetneq \Im$  — Eur.: Sicilia, Tirolia; As.: Caucasus.

Chrysis cuprata (Klug) Dahlbom, Hymen. Europ. II. 1854 p. 135 n. 74, ⊊.

<sup>1) = ?</sup> Chrysis ignita L. var. obtusidens Duf. & Perr. (Moesáry).

<sup>2)</sup> Hym.: ? Celonites abbreviatus Vill. (Sichel teste Lichtenstein).



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<sup>2)</sup> Hym: Nitela Spinolae Dahlb. (Giraud), Cemonus unicolor Jur. (Goureau Typoxylon figulus L. (Dufour & Perris & auct.), Odynerus parietum L. (André), Chelostoma florisomne L. (Westwood, Smith), Osmia aenea L., O. Giraudi Schmkn. (Frey-Gessner).

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<sup>2)</sup> Hym: Osmia aurulenta Panz. (Thalhammer).

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dissimilis Dahlb. —  $\subseteq$  — As.: India or.

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distinct a Mocs. —  $\mathcal{Q}$  — Eur.: Cancasus.

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**distinctissima** Dahlb. —  $\mathcal{Q}$   $\mathcal{J}$  — Am. mer.

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diversa Dahlb. — Q — Afr.: Aegyptus; As.: Turcestania.

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dives Luc. — Afr.: Aegyptus.

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doriae Grib. — Am. bor.

Chrysis Doriae Gribodo, Ann. mus. civ. Genova VI. 1874 p. 359 n. 3.

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dorsalis Aar. - 9 3 - Am.: Colorado. California, Washington Terr., Montana. Vaucouver Chrysis(Tetrachrysis) dorsalis Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 234, Q 3; T.9 F.51.

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dournowii Rad. — ♀ ♂ — Eur.: Graecia; As.: Cancasus, Syria.

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drewsenii Dahlb. — ♂ — Afr.: Cap.

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Chrysis dubia Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 108, ♀ [nec Radoszkowski]. Chrysis Hexachrysis) dubia Mocsáry, Monogr. Chrysid. 1859 p. 575 n. 680, Q.

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Chrysis elegans Schenek, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 76 n. 9, \$\sigma\$ 3.

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<sup>1) = ?</sup> Holopyga amoenula Dahlbom seu ? Hedychrum nobile Scop.

<sup>&</sup>lt;sup>2</sup> = ? Chrysis dichroa Dahlb. (Mocsáry).

<sup>3)</sup> Hym.: Anthidium Caturigense Gir. (Giraud).





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  Chrysis crassimargo Dahlbom, Hymen, Europ, H. 1854 p. 169 n. 92, C; T. 8 F. 96.
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  Chrysis Zetterstedti Radoszkowski, Horac soc. entom. Ross. III. 1866 p.308 n.51,Q+T.6 F.34.
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<sup>1)</sup> Hym.: Trypoxylon figulus L. (Schenck), Discoelius zonalis Panz. (Pérez). Odynerus levipes Shuck. Dufour & Perris & auct.).





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frey-gessneri Grib. — Q — Am.: Texas, New-York, Washington Terr.

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& 25.

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<sup>1)</sup> Hym.: Odynerus spinipes L. (Smith, Billups), O. crassicornis Panz. (Mocsáry). O. murarius L., O. parietum L. (Lamprecht).

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var. electra Shuck. — Eur.: Britannia.

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i) = ? var. obtusidens Duf. & Perr. [Mocsáry].

<sup>&</sup>lt;sup>2</sup>) = ? Chrysis ignita L. var. longula Ab. (Mocsáry).

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rar. japonica Mocs. = 9 3 — As.: Japonia.
  Chrysis ignita var. Japonica Mocsáry, Monogr. Chrysid. 1889 p. 490, ⊊ 3.
rar. impressa Schek. — Eur.: Germania.
  Chrysis impressa Schenck, Jahrb. Ver. Naturk. Nassau XI, 1856 p. 29 & 41 n. 4.
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var. maja Shuck. — Eur.: Britannien.
  Chrysis ignita var. Maja Shuckard, Entom. Magaz. IV. 1836 p. 162, Fig.
var. obtusidens Duf. & Perr. — ⊊ 3 — Eur.: Gallia, Germania, Hungaria; Afr.: Algeria.
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var. rutiliventris Ab. — Eur.: Gallia, Hungaria, Lesina; As. min., Syria.
  Chrysis ignita var. rutiliventris Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 74.
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var. taygeta Shuck. — Eur.: Britannia.
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var. vitripennis Schek. — Eur.: Germania.
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igniventris Ab. - \subsetneq \beta - \text{Eur. mer. } \& \text{ or. }
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  Chrysis cerastes Abeille, Feuille jeun. natural. VII. 1877 p. 67 n. 14, 3. [T. 2 F. 49.
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imbecilla Mocs. — 3 — Am.: Brasilia.
  Chrysis (Tetrachrysis, imbecilla Mocsáry, Monogr. Chrysid, 1889 p. 344 n. 387, 3.
impar Rad. — 3 — Eur.: Rhodus; As.; Turcestania.
  Chrysis impar Dahlbom, Hymen. Europ. II. 1854 p. 287 n. 162, 3.
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imperialis Westw. — As.: India.
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  Chrysis imperialis Westwood, Donovan: Insects of India N. Ed. 1842 p. 87; T. 56 F. 1.
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impostor Mocs. - Austr.
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  Chrysis impostor Mocsáry, Termész. Füzet. XI, 1887 p. 15.
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var. caucasica Mocs. — 3 — As.: Transcaucasia.
  Chrysis inaequalis var. Caucasica Mocsáry, Monogr. Chrysid. 1889 p. 484. 3.
inaequidens Dahlb. — 3 — Am.: New-York.
  Chrysis inaequidens Dahlbom, Hymen. Europ. H. 1854 p. 334 n. 188, A.
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inclyta Mocs. — 3 — Am.: Brasilia.
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incrassata Spin. — \subseteq \mathbb{R} — Eur. mer. & or.: Afr.: Aegyptus.
  Chrysis incrassata Spinola, Ann. soc. entom. France VII, 1838 p. 451 n. 5, Q.
  Chrysis incrassata Dahlbom, Hymen. Europ. H. 1854 p. 107 n. 59, ⊆; T. 5 F. 84. _nec Först.].
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<sup>1</sup> Hym.: Scolia collaris Fabr. Abeille, Buysson).

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indica Mosc. — 3 As.: India or.
 Chrysis (Hexachrysis) Indica Mocsáry, Monogr. Chrysid, 1889 p. 591 n. 705, 3.
indica Schrk.!!; — Eur.: Bayaria.
 Chrysis indica Schrank, Fanna Boica II. 2, 1802 p. 345 n. 2201.
indigotea Duf. & Perr.2) — \subsetneq 3 — As.: Sibiria, Turcestania.
 Chrysis indigotea Dufour & Perris, Ann. soc. entom. France IX. 1840 p. 38 n. 18; T. 3 F 45.
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  Chrysis indigotea var. Daghestanica Mocsáry, Monogr. Chrysid. ISS9 p. 347.
inermis Gmel.! — Patria?
  Chrysis spec. Zschach, Mus. Leskean, 1788 p. 73 n. 406.
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inflata Aar. — 🗸 3 — Am.: California, Colorado, Utah, Mexico.
  Chrysis(Tetrachrysis) inflataAaron.Trans.Amer.Entom.Soc.XII.1885p.237,⊊ 5;T.9F.68&69.
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infuscata Brullé — 3 — Afr.: Cap.
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  Chrysis inops Gribodo, Ann. mus. civ. Genova XXI, 1884 p. 318 n. 60, ⊊.
  Chrysis (Pentachrysis) inops Mocsary, Monogr. Chrysid, 1889 p. 519 n. 606, Ç 3.
insignis Luc.3) — \subseteq \mathcal{F} — Afr.: Algeria.
  Chrysis insignis Lucas, Explor. sc. Algérie. Zool. III. 1846 p. 307 n. 345, 3; T. 17 F. 2.
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<sup>1) = ?</sup> Chrysis indigotea Duf. & Perr. (Moesáry).

<sup>&</sup>lt;sup>2</sup> Hym.: Odynerus levipes Shuck. (Dufour & Perris.

<sup>3)</sup> Hym.: Odynerus spiricornis Fabr. (Dours).

Rec'd from N.Y. che Buyes. 1898 ans. Soc. Ent. Fr. vol. 66 f. 543 Roh. Litr.

Chrysis insignis Abeille, Ann. soc. Linn. LyonXXVI.1879 p.76887, 5; T.2 F.50 [excl.synon.]. Chrysis Spinolia insignis Mocsáry, Monogr. Chrysid, 1889 p. 605 n. 720, 9 5. insularis Guér. — ⊊ 3 — Am.: Cuba. Chrysis insularis Guérin, Rev. zool. 1842 p. 118 n. 12, ⊊ .3 [non-Smith]. Chrysis insularis Brullé, Hist. nat. Insect. Hymén, IV, 1846 p. 26 n. 4, Ç. ? Chrysis insularis Dahlbom, Hymen. Europ. H. 1854 p. 332 n. 187, Q. Chrysis insularis Lucas, Sagra: Hist. fis. Cuba VII. 1857 p. 755, Q 3; T. 18 F. 5. Chrysis insularis Cresson, Proc. Entom. Soc. Philadelphia IV, 1865 p. 108, 3. Chrysis Hexachrysis) insularis Lichtenstein, Pet. nouv. entom. II. 1876 p. 27. Chrysis Hexachrysis) insularis Moesáry, Monogr. Chrysid. 1889 p. 573 n. 679. integerrima Klug — 3 — As.: Arabia. Chrysis (Spintharis) integerrima Klug, Symb. physic. P. 5, 1845 Insect. T. 45 F. 11. Chrysis (Gonochrysis) integerrima Mocsáry, Monogr. Chrysid. 1889 p. 309 n. 349, 3. interceptor Smith — Austr. 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Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XIII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. 38 \& 10. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. SF. Amer. Entom. Soc. XII. 1885 p. 227, Q. T. S$ Chrysis (Holochrysis) inusitata Mocsáry, Monogr. Chrysid. 1889 p. 207 n. 222. joppensis Buyss.<sup>1</sup>) — 3 — As.: Syria. Chrysis Joppensis (Abeille) Buysson, Rev. d'entom. VI. 1887 p. 179 n. 15, 3. Chrysis (Holochrysis) Joppensis Mocsáry, Monogr. Chrysid. 1889 p. 270 n. 301, 3. jucunda Mocs. — Q — Eur.: Turcia. Chrysis (Tetrachrysis) jucunda Mocsáry, Monogr. Chrysid. 1889 p. 430 n. 510, Q. jugum Dahlb. — Afr.: Caffraria. Chrysis jugum Dahlbom, Öfvers. Svensk. Vet.-Akad. Förh. VII. 1850 p. 136 n. 2. Chrysis jugum Dahlbom, Hymen. Europ. II. 1851 p. 101 n. 55. Chrysis Olochrysis) jugum Lichtenstein. Pet. nouv. entom. II. 1876 p. 27. Chrysis (Holochrysis) jugum Mocsáry, Monogr. Chrysid. 1889 p. 199 n. 207. keriensis Rad. — う — As.: Mongolia. non ⊊!; T.3 F.9. Chrysis Tetrachrysis Keriensis Radoszkowski, Horac soc. entom. Ross. XXI. 1887 p. 47, 3! Chrysis (Tetrachrysis) Keriensis Mocsáry, Monogr. Chrysid. 1889 p. 516 n. 601, 3. kessleri Rad. — ♀ - As.: Turcestania. Chrysis Kessleri Radoszkowski, Fedtschenko: Turkestan Chrysid. 1877 p.21 n.41, Q; T. 2 F. 6. Chrysis (Tetrachrysis) Kessleri Moesáry, Monogr. Chrysid, 1889 p. 469 n. 548, 🖵 kirschii Moes. — ⊆ — Afr.: Marocco. Chrysis (Tetrachrysis) Kirschii Mocsáry, Monogr. Chrysid. 1889 p. 485 n. 565, Ç. klugii Dahlb. — ⊊ ♂ — Am.: Brasilia.

Chrysis Klugii Dahlbom, Hymen. Europ. II. 1854 p. 321 n. 182, ♀; T. 12 F. 113.

Chrysis (Hexachrysis) Klugii Lichtenstein, Pet. nouv. entom. II. 1876 p. 27. Chrysis (Hexachrysis) Klugii Mocsáry, Monogr. Chrysid. 1889 p.553 n.650, ♀ ♂; T.2F.18&49.

<sup>1)</sup> Hym.: Eucera bidentata Perez (Abeille, Buysson).

Chrysis. 74 kohlii Mocs. — 💲 – Eur.: Graecia. Chrysis [Holochrysis] Kohlii Mocsáry, Monogr. Chrysid, 1889 p. 275 n. 307, 🐹 考. kokandica Rad. —  $\subseteq$  As.: Turcestania. Chrysis Kokandica Radoszkowski. Fedtschenko : Turkestan. Chrysid. 1877 p. 18 n. 35,<br/>  $\mathbb{Q};$  T.2 Chrysis (Tetrachrysis) Kokandica Mocsáry, Monogr. Chrysid. 1889 p. 372 n. 425, Q. kolazyi Mocs. — ♀ — Eur.: Austria. Chrysis (Tetrachrysis) Kolazvi Mocsáry, Monogr. Chrysid, 1889 p. 464 n. 540, Ç. kviechbaumeri Grib. — 3 — Austr. Chrysis Kriechbaumeri Gribodo, Ann. mus. civ. Genova VI. 1874 p. 358 n. 1! Chrysis (Holochrysis) Kriechbaumeri Mocsáry, Monogr. Chrysid. 1889 p. 200 n. 209, 3. krüperi Mocs. — ⊊ — Eur. : Graccia. Curysis (Holochrysis) Krüperi Mocsáry, Monogr. Chrysid. 1889 p. 216 n. 240, Ç. kuthvi Mocs. —  $\mathcal{Q}$  — Eur.: Hungaria. Chrysis Holochrysis) Kuthyi Mocsáry, Monogr. Chrysid. 1889 p. 212 n. 232, C. laborans Costa — Afr.: Natal. Chrysis laborans Costa, Ann. mus. zool. Napoli II. (1862) 1861 p. 68 n. 1971. Chrysis (Tetrachrysis) laborans Mocsáry, Monogr. Chrysid, 1889 p. 358 n. 403. Iacta Dahlb. — ♀ ℨ — Afr.: Cap. Chrysis lacta (Draege) Dahlbom, Hymen. Europ. H. 1854 p. 223 n. 122, ⊊ 考. Chrysis (Tetrachrysis) lacta Lichtenstein, Pet. nouv. entom. II, 1876 p. 27. Chrysis (Tetrachrysis) lacta Mocsáry, Monogr. Chrysid. 1889 p. 351 n. 396. 🗘 🔞 . laetabilis Buyss. —  $\subsetneq$  — Afr.: Aegyptus. Chrysis lactabilis Buysson, Rev. d'entom. VI. 1887 p. 188 n. 24, Q. Chrysis (Tetrachrysis) lactabilis Mocsáry, Monogr. Chrysid. 1889 p. 369 n. 421, ⊊. lamprosoma Först.) — 🗣 🛪 — Eur.: Tirolia, Italia, Turcia; As. min., Caucasus. Chrysis lamprosoma Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 311 n. 71, 💵 Spinolia magnifica Dahlbom, Hymen. Europ. H. 1854 p. 363 n. 202, 3

Chrysis Sagusiana Giraud, Verh. zool. Ges. Wien XIII. 1863 p. 23, ♀ ∃. [Dahlbom]. Chrysis sulcata Radoszkowski, Horac soc. entom. Ross. III. 1866 p.302 n.20, Q!T. 3 F.11 'nec Chrysis pulchra Radoszkowski, Horae soc. entom. Ross.XV. 1879 p.143 n. 29,♀ [non ♂]. Chrysis (Spinolia) lamprosoma Mocsáry, Monogr. Chrysid. 1889 p. 606 n. 721, ♀ ♂. lateralis Brullé — ⊊ 3 — Am.: Columbia, Brasilia, Argentina. Chrysis lateralis Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 26 n. 5, Q 3.

lateralis Dahlb.!  $- \subseteq -$  Eur.: Rhodus.

Chrysis lateralis Dahlbom, Dispos. method. Hymen. II. 1845 p. 10 n. 13, C.

lateridentata Aar. — ⊆ — Am.: Washington Terr., Montana. Chrysis (Holochrysis) lateridentata Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 228, Ç. Chrysis (Holochrysis) lateridentata Mocsáry, Monogr. Chrysid, 1889 p. 207 n. 224, Ç.

-lauta Cress. — Q — Am.: Colorado, Washington Terr., California, Arizona, Texas. Chrysis lauta Cresson, Proc. Ent. Soc. Philadelphia IV. 1865 p. 310 n. 6; ⊊. Chrysis Tetrachrysis lauta Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 238; T.10 F.78&79.

Chrysis chlorophana Mocsáry, Termész. Füzet. XI. 1887 p. 16.

Chrysis (Tetrachrysis) lauta Mocsáry, Monogr. Chrysid. 1889 p. 390 n. 458; T. 2 F. 26 & 27.

rar. prasina Cress. —  $\subseteq$  — Am.: Colorado.

Chrysis prasinus Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 310 n. 7,⊊ [necKlug]. Chrysis lauta var. prasina Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 238.

<sup>1)</sup> Hym.: Odynerus spiricornis Spin. (Lichtenstein).





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s var. pulcherrima Cress. — 5 — Am.: Colorado.
   Chrysis pulcherrimaCresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 314 n. 8. 3 | nec Lepelet |
   Chrysis lauta var. pulcherrima Aaron, Trans. Amer. Entom. Soc. XII.1885 p.238; T.10F.80&81
~leachii Shuck. → ⊊ / 5 — Eur.; As. minor, Caucasus.
   Chrysis Leachii Shuckard, Entom. Magaz. IV. 1836 p. 168 n. 10.
   Chrysis Leachii Förster, Verb. naturh. Ver. preuss. Rheinl. X. 1853 p. 307.
   Chrysis Leachei Dahlbom, Hymen Europ. H. 1854 p. 181 n. 98, ⊊ 5; T.9 F.102 excl. synon.
   Chrysis Leachei Schenck, Jahrb. Ver. Naturk. Nassau XVI. 1861 p. 176 n. l.
   Chrysis Leachei Chevrier, Deser. Chrysid. Léman 1862 p. 33. 3.
   Chrysis Leachei Schenck, Progr. Gymnas. Weilburg 1870 p. 10 n. 7, 9, 3.
   Chrysis (Monochrysis) Leachei Lichtenstein, Pet. nouv. entom. Il. 1876 p. 27.
   Chrysis Leachei Abeille, Feuill, jeun, natural, VII, 1877 p. 66.
   Chrysis Leachi Abeille, Ann. soc. Linn. Lyon XXVI 1879 p. 77 & 92.
   Chrysis Leachi Marquet, Bull. soc. hist. nat. Toulouse XIII, 1879 p. 163.
   Chrysis Leachii Lamprecht, Goldwesp. Deutschlands 1881 p. XIV n. 32.
   Chrysis Leachii Mocsáry, Chrysid, faun. Hungar, 1882 p. 55 & 86 n. 20, 9, 5
   Chrysis Leachii Frey-Gessner, Hymen, Helvet, Chrysid, 1887 p. 19 & 57.
   Chrysis Leachei Destefani, Natural. Sicil. VII. 1888 n. 140 / 3 & p. 219, Q.
   Chrysis (Monochrysis) Leachii Moesáry, Monogr. Chrysid, 1889 p. 311 n. 351, ⊊ 3.
   Chrysis Leachii Frey-Gessner, Bull. soc. Murith. XVI./XVIII, 1890 p. 76 & 90 n. 45.
 lepida Mocs. — \subseteq — As.: Caucasus.
   Chrysis (Holochrysis lepida Moesáry, Monogr. Chrysid, 1889 p. 278 n. 311, \Omega_{\rm c}
 Ieskii Gmel.! — Patria?
   Chrysis spee. Zschach, Mus. Leskean, 1788 p. 71 n. 408.
   Chrysis Leskii Gmelin, Linné: Syst. uat. Ed. 43a, I. 5, 1790 p. 2747 n. 27
   Chrysis Leskii Mocsáry, Monogr. Chrysid, 1889 p. 621 n. 4.
 Ieucocheila Mocs. — \subseteq — Am.: Mexico, Brasilia.
   Chrysis (Tetrachrysis) leucocheila Mocsáry, Monogr. Chrysid, 1889 p. 408 n. 483, 🖳
 leucophrys Mocs. — 3 — Am.: Brasilia.
   Chrysis Tetrachrysis) lencophris Moesáry, Monogr. Chrysid, 1889 p. 109 n. 485. 5.
 Tencostigma Moes. - 4 3 - Am.: Brasilia = spenigera Spin teste Declarge (1909) Bul See and floid
   Chrysis (Tetrachrysis) lencostigma, Moesáry, Monogr. Chrysid, 1889 p. 410 n. 486. 9 5.
Limbata (Dahlb.) Mocs. — ⊊ 3 — Eur.: Hispania, Russia; As.: Caucasus.
   Euchroeus limbatus (Klug) Dahlbom, Hymen. Europ. 11, 1854 p. 368 n. 203, Q.
   Euchroeus limbatus Eversmann, Bull. soc. natural. Moscou XXX. 4, 1857 p. 565 n 1, C.
   Euchroeus limbatus Radoszkowski, Horac soc. entom. Ross. 111, 1566 p.308 n.51, 7; T.6 F.36.
   Euchroeus Beckeri Tournier, Mittheil. Schweiz. entom. Ges. V. 6, 1878 p. 309, ⊆.
   Euchroeus limbatus Radoszkowski, Horac soc. entom. Ross. XXIII. 1888 p. 35. 3; T.6 F.71.
   Chrysis Euchrocus) limbata Mocsáry. Monogr. Chrysid. 1889 p. 595 n. 711, 😂 🔞
 littoralis Moes. — 3 — Afr. mer. & or.
   Chrysis (Tetrachrysis littoralis Mocsáry, Monogr. Chrysid, 1889 p. 360 n. 407, 3.
 longigena Mocs. — ⊆ — Afr.: Cap.
   Chrysis Tetrachrysis) longigena Moesáry, Monogr. Chrysid, 1889 p. 357 n. 102, C.
 longirostris Grib. — ⊆ — Am.: Brasilia.
   Chrysis longirostris Gribodo, Ann. mus. eiv. Genova XIV. 1879 p. 334 n. 11. ⊊.
   Chrysis Tetrachrysis) longirostris Moesáry, Monogr. Chrysid. 1889 p. 403 n. 477, Ç.
 Incasii Ab. — Afr.: Algeria.
   Chrysis unicolor Lucas. Explor. sc. Algéric. Zool. III. 1846 p. 309 n. 349 [nec Dahlbom].
   Chrysis Lucasi Abeille, Diagn. Chrysid. nouv. 1878 p. 5 n. 30.
   Chrysis Lucasi Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 75 & 86.
   Chrysis (Holochrysis) Lucasi Moesáry, Monogr. Chrysid. 1889 p. 277 n. 309.
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lusca Fabr.  $1 - 1 \le 3 - As$ . India or., Java. Chrysis lusca Fabricius, Syst. Piez. 1801 p. 171 n. 7. Chrysis lusca Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 126 n. 7. Pyria lusca Lepeletier, Encycl. méthod. Insect. X. 1825 p. 494 n. 2. Chrysis Iusca Dahlbom, Dispos, method, Hymen, II, 1845 p. 11 n. 29. Chrysis lusca Dahlbom, Hymen, Europ. II, 1851 p. 296 n. 166. Chrysis Pentachrysis) lusea Lichtenstein. Pet. nouv. entom. II. 1876 p. 27. Chrysis lusca Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 41 & 43, ⊊ ♂. Chrysis Pentachrysis) lusca Mocsáry, Monogr. Chrysid. 1889 p. 527 n. 618, 🗘 🕉 var. concinna Grib. —  $\Omega$  — As.: India. Chrysis lusca var. concinna Gribodo, Ann. mus. civ. Genova XXI. 1884 p. 368 n. 34, ⊊. Chrysis lusca var. concinna Mocsáry, Monogr. Chrysid. 1889 p. 528, Q. luzonica Moes. —  $\Omega$  — As.: Lussonia Ins. Chrysis (Trichrysis) Luzonica Mocsáry, Monogr. Chrysid. 1889 p. 328 n. 369, Ç. lydiae Mocs. —  $\subseteq$  — As. minor. Chrysis Holochrysis) Lydiae Mocsáry, Monogr. Chrysid. 1889 p. 268 n. 297, Q. lyncea Fabr. —  $\subsetneq \circlearrowleft$  — Afr. tota, Madagascar; As.: Arabia, Java. Chrysis lineca Fabricius, Syst. entom. 1775 p. 357 n. 4. Chrysis lineea Fabricius, Spec. Insect. I. 1781 p. 455 n. 5. Chrysis lineea Fabricius, Mant. Insect. I. 1787 p. 283 n. 5. Chrysis lincea Gmelin, Linné: Syst. nat. Ed. 13a I. 5, 1790 p. 2744 n. 12. Chrysis lineca Olivier, Encycl. méthod. Insect. V. 1790 p. 673 n. 7. Chrysis lineea Christ, Naturg. d. Insect. 1791 p. 403. Chrysis lyncea Fabricius, Entom. system. II. 1793 p. 240 n. 6. Chrysis lyncea Fabricius, Syst. Piez. 1804 p. 172 n. 8. Chrysis lyncea Lepeletier, Ann. mus. hist. nat. VII. 1806 p. 127 n. 16. Pyria armata Lepeletier, Encycl. méthod. Insect. X. 1825 p. 495 n. 3 [non 2]. Pyria Reichei Spinola, Ann. soc. entom. France VII. 1838 p. 418 n. 3 'nee Dahlbom]. Stilbum lyneeum Dahlbom, Dispos. method. Hymen. II. 1845 p. 15 n. 1. Pyria armata Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 21 n. 4, Q 3. Chrysis lyncea Dahlbom, Öfvers, Svensk, Vet.-Akad, Förh, VII, 1850 p. 111 n. 8. Chrysis lyncea Dahlbom, Hymen. Europ. II. 1854 p. 339 n. 191, ♀ ♂. Pyria lyncea Gerstäcker, Peters: Reise n. Mossambique Zool. V. 1862 p. 519. Chrysis vomerina Costa, Ann. mus. zool. Napoli II. (1862) 1861 p. 67 n. 1969. Pyria lyncea Ritsema, Tijdsehr. v. Entom. XVII. 1874 p. 181 n. 3. Pyria lineca Smith, Trans. Entom. Soc. London 1874 p. 461 n. 1. Chrysis (Hexachrysis) lyncea Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

Pyria lyncea Gribodo, Ann. mus. civ. Genova XXI. 1884 p. 316.

Chrysis (Hexachrysis) lyneca Mocsáry, Monogr. Chrysid. 1889 p. 582 n. 692, Q 3.

var. violacea Smith — Austr.

Pyria violacea Smith. Trans. Entom. Soc. London 1874 p. 465 n. 5. Chrysis lyncea var. violacea Mocsáry, Monogr. Chrysid. 1889 p. 583.

macrostoma Grib. — Afr.: Algeria.

Chrysis macrostoma Gribodo, Ann. mus. civ. Genova VI. 1874 p. 360 n. 5. Chrysis (Holochrysis) macrostoma Mocsáry, Monogr. 1889 p. 269 n. 299.

maculata Mocs. — 3 — Afr.: Cap.

Chrysis (Tetrachrysis) maculata Moesáry, Termész. Füzet. XIII. 1890 p. 58 n. 23, 3.

<sup>1)</sup> Hym: Pelopocus fabricator Smith (André).

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maculicornis Klug - Afr. Acgyptus.

Chrysis (Spintharis) maeulicornis Klug. Symb. physic. P. 5, 1845 Insect. T. 45 F. 6.

Chrysis (Tetrachrysis) maculicornis Mocsáry, Monogr. Chrysid. 1889 p. 361 n. 413. magrettii Buyss. —  $\subseteq$  — As.: Syria.

Chrysis Magrettii Buysson, Ann. mus. civ. Genova XXIX. 1890 p. 533 n. 26.  $\mathfrak{Q}$ . malachitica Dahlb. —  $\mathfrak{L}$  — Afr.: Cap.

Chrysis malachitica Draege) Dahlbom, Hymen, Europ. II, 1854 p. 335 n. 189, C.

Chrysis Hexachrysis malachitica Lichtenstein. Pet. nouv. entom. II. 1876 p. 27.

Chrysis (Hexachrysis) malachitica Mocsáry, Monogr. Chrysid. 1889 p. 557 n. 656,  $\subseteq$ . mandarina Mocs. —  $\subseteq$  — As.: China bor.

Chrysis (Pentachrysis) mandarina Mocsáry, Monogr. Chrysid. 1889 p. 522 n. 611, ⊊. manicata Dahlb. — ⊊ ♂ — Eur.: Rhodus.

Chrysis manicata Dahlbom, Hymen, Europ. II. 1854 p. 276 n. 154, ⊊ ♂.

Chrysis (Tetrachrysis) manicata Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

Chrysis (Tetrachrysis manieata Mocsáry, Monogr. Chrysid, 1889 p. 486 n. 566,  $\subseteq$  3.

maracandensis Rad. -3 — As.: Turcestania. [non  $\mathcal{C}$ : T.1 F.8.

Chrysis Maracandensis Radoszkowski, Fedtschenko: Turkestan Chrysid. 1877 p. 14 n. 24, 3! Chrysis (Tetraehrysis Maracandensis Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p. 23, 3; T. 4 F. 50.

Chrysis (Tetrachrysis Maracandensis Mocsáry, Monogr. Chrysid. 1889 p. 372 n. 426. j. marginalis Brullé — — Am.: Guyana. = (ellampoides Ducke 1911 (1909) Rul. Scs. Ent. 9t.l. p. 103.

Chrysis marginalis Brullé, Hist. nat. Insect. Hymen. IV. 1846 p. 41 n. 29, Ç.

Chrysis (Tetrachrysis marginalis Mocsáry, Monogr. Chrysid. 1889 p. 413 n. 488.  $\subseteq$  marginala Mocs.  $\subseteq$   $\subseteq$  As.: Turcestania.

Chrysis Tetraehrysis/ marginata Moesáry, Monogr. Chrysid. 1889 p. 451 n. 527. ⊆. marquetii Buyss. — 3 — Eur.: Graecia.

Chrysis Marqueti Buysson, Rev. d'entom. VI. 1887 p. 180 n. 16, 3.

martia Patt. - Am.: Canada.

Chrysis martia Patton, Canad. Entomol. XI. 1879 p. 67.

Chrysis Holochrysis martia Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 226.

Chrysis (Holochrysis) martia Mocsáry, Monogr. Chrysid. 1889 p. 262 n. 290.

mediocris Dahlb. — 🔾 3 — Eur.: Austria, Italia, Gallia, Tirolia; As.: Caucasus.

Chrysis medioeris Dahlbom, Hymen, Europ, II, 1854 p.162 n.88, 5; T.7F, 93 [necDahlbom 1845].

Chrysis mediocris Schenck, Jahrb. Ver. Naturk. Nassau XI. 1856 p. 76 n. 10.

Chrysis mediocris Schenck, Progr. Gymnas. Weilburg 1870 p. 15 n. 9.

Chrysis Gonochrysis) mediocris Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

Chrysis mediocris Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 55 & 64, ⊊ ♂; T. 2 F. 38 & 39.

Chrysis subsinuata (Abeille) Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 160.

Chrysis mediocris Lamprecht, Goldwesp. Deutschlands 1881 p. XIII n. 28.

Chrysis Gonochrysis mediocris Mocsáry, Monogr. Chrysid. 1889 p. 304 n. 342,  $\subseteq$  5. megacephala Dahlb. —  $\subseteq$  — Af.: Aegyptus.

Chrysis 'Platycelia) megacephala (Boheman) Dahlbom, Hymen, Europ, H. 1854 p. 222 n. 121. Chrysis (Tetrachrysis) megacephala (Lichtenstein, Pet. nouv. entom. H. 1876 p. 27.

Chrysis (Tetrachrysis megacephala Mocsáry, Monogr. Chrysid, 1889 p. 510 n. 591.

megerlei Dahlb. — Eur.: Italia.

Chrysis Megerlei Dahlbom, Hymen. Europ. II. 1854 p. 297 n. 167.

Chrysis (Pentachrysis Megerlei Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

Chrysis Megerlei Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 46 & 52.

Chrysis (Pentachrysis Megerlei Mocsáry, Monogr. Chrysid, 1889 p. 529 n. 620.

melanophrys Mocs. —  $\subseteq$  — Afr.: Algeria.

Chrysis (Gonochrysis) melanophrys Mocsáry, Monogr. Chrysid. 1889 p. 303 n. 340. 😉

melanops Kby. — 5 — As.: Timer.

Chrysis melanops W. F. Kirby, Proc. Zool. Soc. London 1883 p. 345, 3.

Chrysis Hexachrysis) melanops Mocsáry, Monogr. Chrysid. 1889 p. 546 n. 641,  $\frac{\pi}{2}$ , mendax Ab.!! —  $\frac{\pi}{2}$  — Afr.: Algeria.

Chrysis mendax Abeille, Diagn. Chrysid. nouv. 1878 p. 4 n. 19.

Chrysis mendax Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 54 & 59,  $\subseteq$ .

Chrysis mendax Schmiedeknecht, Entom, Nachr. VI. 1880 p. 197. ⊊.

Chrysis Holochrysis mendax Mocsáry, Monogr. Chrysid, 1889 p. 238 n. 263, ⊊.

meta Aar. —  $\subseteq$   $\circlearrowleft$  — Am.: Montana.

Chrysis (Tetrachrysis) Meta Aaron, Trans. Amer. Entom. Soc. XI. 1885 p. 234.  $\bigcirc$   $\bigcirc$ ; T. 9 F. 50. Chrysis Tetrachrysis Meta Mocsáry, Monogr. Chrysid. 1889 p. 502 n. 584.  $\bigcirc$   $\bigcirc$ ; T. 2 F. 9.

mexicana Cam. - Am.: Mexico.

Guérin].

Chrysis Mexicana Cameron, Biol. Centr.-Amer. P.67, 1888 Hymen, I. p. 460 n.1; T.20 F.10 (non Chrysis Holochrysis Mexicana Mocsáry, Monogr. Chrysid, 1889 p. 210 n. 229.

miegii Guér.!2: — Eur.: Hispania.

Chrysis Miegii Guérin, Rev. zool. 1812 p. 148 n. 13.

minutissima Rad. — 3 — Afr.: Aegyptus.

Chrysis minutissima Radoszkowski, Horae soc. entom. Ross, XII.1876 p. 147 n. 103,  $\Im$  [non $\mathbb{C}$ ]! Chrysis (Tetrachrysis) minutissima Mocsáry. Monogr. Chrysid. 1889 p. 369 n. 422,  $\Im$ . mionii Guér. —  $\mathbb{C}$  — Afr.: Senegal.

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Chrysis Mionii Magretti, Ann. mus. civ. Genova XXI, 1884 p. 535 n. 19.

Chrysis Tetrachrysis Mionii Mocsáry, Monogr. Chrysid. 1889 p. 350 n. 393.

mirabilis Rad. — 3 — Eur.: Caucasus.

Chrysis mirabilis Radoszkowski, Horac soc. entom. Ross. XII. 1876 p. 106 n. 29, 5! T.2 Fig. A. Chrysis Tetrachrysis mirabilis Radoszkowski, Horac soc. entom. Ross. XXIII. 1885 p. 23, 5: T.4 Chrysis Tetrachrysis mirabilis Mocsáry, Monogr. Chrysid. 1889 p. 503 n. 586, 5: T.2 F. 11, [F. 49, mixta Dahlb. — Fur.: Italia, Sicilia.

Chrysis mixta (Klug) Dahlbom, Hymen. Europ. H. 1854 p. 167 n. 90.

Chrysis (Olochrysis) mixta Lichtenstein. Pet. nouv. entom. II. 1876 p. 27.

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Chrysis (Holochrysis mixta Mocsáry, Monogr. Chrysid, 1889 p. 256 n. 282.

mlokosewitzii Rad. —  $\subseteq$  — As.: Caucasus.

Chrysis 'Olochrysis, Mlokosewitzi Radoszkowski, Horae soc.entom. Ross. XXIII. 1889 p. 13, ⊈! Chrysis (Holochrysis) Mlokosewitzi Mocsáry, Monogr. Chrysid. 1889 p. 213 n. 233, ⊈. mocquerysii Buyss. — β — Eur.: Gallia.

Chrysis Mocquerysi Buysson, Rev. d'entom. VI. 1887 p. 178 n. 14, 3.

Chrysis Holochrysis Mocquerysi Mocsáry, Monogr. Chrysid. 1889 p. 233 n. 257.  $\beta$ . mocsáryi Rad. —  $\subseteq$  — As.: Mongolia.

Chrysis Tetrachrysis Mocsaryi Radoszkowski, Horae soc. entom. Ross. XXIII. 1888 p.29, \( \mathcal{L}\). Chrysis Tetrachrysis Mocsaryi Mocsaryi Monogr. Chrysid. 1889 p. 426 n. 506, \( \mathcal{L}\).

modica Dahlb. —  $\subseteq$  — Afr.: Guinea, Cap, Natal.

Chrysis mediocris Dahlbom, Dispos. method. Hymen. II. 1845 p.14 n. 31 [nec Dahlbom 1854]. Chrysis medica Dahlbom, Öfvers. Svensk. Vet.-Akad. Förh. VII. 1850 p. 140 n. 6, ⊊.

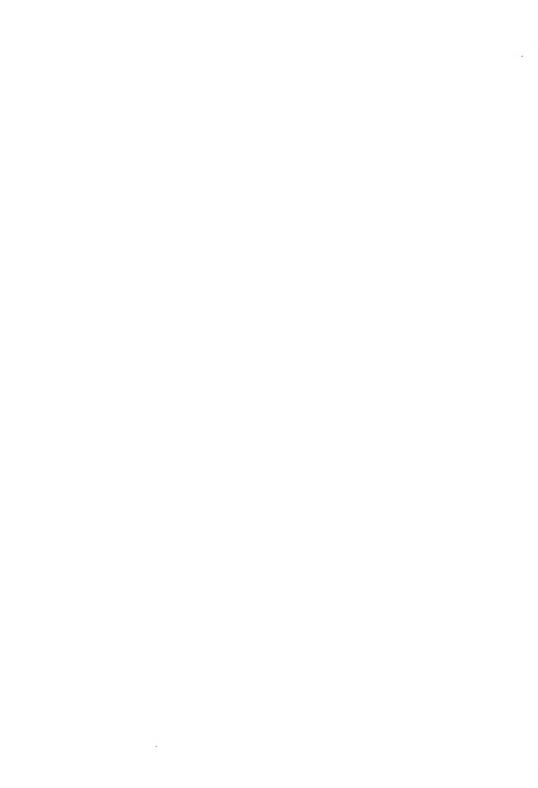
Chrysis modica Dahlbom, Hymen. Europ. H. 1854 p. 326 n. 184, Q.

Chrysis Hexachrysis modica Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

Chrysis Hexachrysis, modica Mocsáry, Monogr. Chrysid, 1889 p. 556 n. 655, Ç.

<sup>1) = 7</sup> Chrysis cyanciventris Mocs. [Mocsáry]

<sup>&</sup>lt;sup>2</sup> == <sup>2</sup> Chrysis inaequalis Dahlb. (Mocsáry).



monochroa Mocs. —  $\subsetneq$  — Afr.: Algeria.

Chrysis Hexachrysis monochroa Mocsáry, Monogr. Chrysid. 1889 p. 554 n. 651, Q.

montana Aar. — ⊆ — Am.: Montana.

Chrysis Tetrachrysis montana Aaron, Trans, Amer, Entom. Soc. XII, 1885p. 234,⊊; T.9F. 52&53. Chrysis (Tetrachrysis) montana Mocsáry, Monogr, Chrysid, 1889 p. 385 n. 448,⊊; T. 2 F. 42.

montezuma Cam. — Am.: Mexico.

Chrysis Montezuma Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen. I. p. 463 n. 7. Chrysis Tetrachrysis Montezuma Mocsáry, Monogr. Chrysid. 1889 p. 340 n. 380.

morawitzii Mocs. — 3 — As.: Reg. Caspica.

Chrysis Spinolia Morawitzi Mocsáry, Monogr. Chrysid. 1889 p. 607 n. 722. 5.

mouattii Guér. —  $\subseteq$  — Afr.: Madagascar.

Chrysis Pyria Mouattii Guérin, Rev. zool. 1842 p. 145 n. 3, Ç.

Pyria Mouatii Smith, Trans. Entom. Soc. London 1874 p. 466 n. 9.

Chrysis Hexachrysis Monattii Moesáry, Monogr. Chrysid, 1889 p. 589 n. 701, C.

mucronata Brullé — ⊊ 3 — Am.: Mexico, California, Brasilia.

Chrysis mucronata Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 45 n. 33, Q.

Chrysis lunigera Dahlbom, Hymen, Europ. II. 1854 p. 194 n. 104, ⊊.

Chrysis selenia Costa, Ann. mus. zool. Napoli II. (1862) 1864 p. 67 n. 1968.

Chrysis Trichrysis lunigera Lichtenstein, Pet. nouv. entom. II. 1876 n. 27. Chrysis mucronata Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 212, & 3.

Chrysis selenia Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen, I. p. 462 n. 5. | F. 39.

Chrysis (Trichrysis, lunigera Radoszkowski, Horae soc. entom. Ross.XXIII.1888 p.19,  $\beta$ ; T.3 Chrysis (Trichrysis) mucronata Mocsáry, Monogr. Chrysid. 1889 p. 330 n. 370.  $\subsetneq \beta$ .

mucronifera Ab.  $- \subsetneq \mathfrak{Z} - \text{Afr. mer. \& occ.}$ 

Chrysis mucronata Dahlbom, Hymen, Europ. II. 1854 p. 344 n. 193, ♀ [non Brullé].

Chrysis Hexachrysis) mucronata Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

Chrysis mucronifer Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 42.

Chrysis mucronifera Mocsáry, Termész. Füzet. XI. 1887 p. 15.

Chrysis (Hexachrysis, mucronifera Mocsáry, Monogr. Chrysid, 1889 p. 585 n. 695, Q. 3.

mulsantii Ab. $^{\dagger_1}$  —  $\subsetneq$   $\circlearrowleft$  — Eur.: Gallia, Hispania, Baleares, Germania.

Chrysis Mulsanti Abeille, Diagn. Chrysid. nouv. 1878 p. 3 n. 18.

Chrysis Mulsanti Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 51 & 57, Q 3; T. 1 F. 18.

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Chrysis (Olochrysis, Mulsanti Schmiedeknecht, Entom. Nachr. VI. 1880 p. 197.

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Chrysis Holochrysis) Mulsanti Mocsáry, Monogr. Chrysid. 1889 p. 211 n. 267, <br/>  $\mathfrak{T}$  .

multicolor Walk. —  $\subseteq \mathcal{F}$  — As.: Arabia.

Chrysis multicolor Walker, List. of Hymen. in Egypt. 1871 p. 8 n. 32, & 3.

Chrysis (Holochrysis) multicolor Mocsáry. Monogr. Chrysid. 1889 p. 261 n. 289, Q. 3.

mutabilis Buyss.  $- \subsetneq \mathfrak{Z} - As$ . minor, Syria, Caucasus.

Chrysis cerastes var. Caucasica Mocsáry i. coll.

Chrysis mutabilis Buysson, Rev. d'entom. VI. 1887 p. 194 n. 32,  $\subseteq \mathcal{S}$ .

Chrysis (Tetrachrysis) mutabilis Mocsáry, Monogr. Chrysid, 1889 p. 496 n. 575, Ç.

mutata Moes. —  $\subseteq$  — Afr.: Cap.

Chrysis cuprea Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 40 n. 26,  $\Omega$  nec Rossi . Chrysis mutata Mocsáry, Chrysid. faun. Hungar. 1882 p. 50 [note].

Chrysis (Tetrachrysis) mutata Mocsáry, Monogr. Chrysid. 1889 p. 501 n. 583, Ç.

<sup>1</sup> Hym.: Osmia aurulenta Pz. Lichtenstein

9100. p 101

mutica Först. 11 - Patria?

Chrysis mutica Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 306. naila Moes. — 3 — As.

Chrysis Holochrysis Naila Mocsáry, Termész. Füzet. XIII. 1890 p. 53 n. 16, ♂. neglecta Shuck.²) — ⊊ ♂ — Eur. tota.

Chrysis Austriaca Dahlbom, Monogr. Chrysid. Suec. 1829 p. 14 n. 12, ♀ ♂ [nec Fabricius].

(Chrysis Hedychrum Austriaca Dahlbom, Exercit. Hymen. P. 2, 1831 p. 31 n. 15, Q 3.

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Chrysura Austrica Dahlbom, Dispos. method. Hymen. II. 1845 p. 7 n. 7, Q 3.

Chrysis neglecta Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 305.

Chrysis integrella Dahlbom, Hymen. Europ. II. 1854 p. 133 n. 73, ⊆ 3.

Chrysis integrella Chevrier, Descr. Chrysid. Léman 1862 p. 19, & 3.

Chrysis neglecta Smith, Entomol. Annual f. 1862 p. 94 n. 9.

Chrysis integrella Taschenberg, Hymen. Deutschl. 1866 p. 151, ♀ ♂.

Chrysis neglecta Chapman, Entom. M. Magaz. VI. 1869 p. 153.

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Chrysis neglecta Chapman, Trans. Woolhope Nat. Club 1870 p. 99-104.

Chrysis neglecta Chapman, Entom. Magaz. VII. 1871 p. 250.

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Chrysis Thuringiaca Schmiedeknecht, Entom. Nachr. VI. 1880 p. 193 & 197, 3.

Chrysis (Olochrysis) integrella Schmiedeknecht, Entom. Nachr. VI. 1850 p. 197, C.

Chrysis Thuringiaea Lamprecht, Goldwesp. Deutschlands 1881 p. XI n. 12, 3.

Chrysis integrella Lamprecht, Goldwesp. Deutschlands 1881 p. XII n. 19, Q; Tab. F. 8.

Chrysis Thuringiaea Mocsáry, Chrysid. faun. Hungar. 1882 p. 48 & 84 n. 6, ♂ [excl. ♀]. Chrysis neglecta Mocsáry, Chrysid. faun. Hungar. 1882 p. 48 & 84 n. 7, ♀ [excl. ♂].

Chrysis neglecta Frey-Gessner, Hymen. Helvet. Chrysid. 1887 p. 51 & 62. \$\mathbb{G}\$ ; \$\mathbb{G}\$ ; T. 3 F. 16.

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Chrysis (Holochrysis) neglecta Mocsáry, Monogr. Chrysid. 1889 p. 255 n. 281,  $\, \circlearrowleft \,$  3.

Chrysis neglecta Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 78 & 86 n. 6; T. 3 F. 17. nisseri Dahlb. — 3 — Am.: Columbia.

tate Decke 1911 Chrysis Nisseri Dahlbom, Dispos. method. Hymen. II. 1845 p. 14 n. 27, 3 [non &].

(1909) Que. Soc. Cat. Chrysis Nisseri Dahlbom. Hymen. Europ. II. 1854 p. 206 n. 112, 3.

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Chrysis nitidula Fabricius, Spec. Insect. I. 1781 p. 457 n. 16. Chrysis nitidula Fabricius, Mant. Insect. I. 1787 p. 284 n. 19.

Chrysis cyanea Villers, C. Linnaei Entom. III. 1789 p. 257 n. 5 [Observ.: nec Linné].

 $_{1}$  = ? Chrysis pustulosa Ab.

<sup>2)</sup> Hym.: Odynerus levipes Shuck. (Lichtenstein), O. parietum L. (Dahlbom, O. reniformis Gmel. Peréz), O. spinipes L. (Smith & auct.).

<sup>3</sup> Hym.: Odynerus nitidulator Sauss. Pérez. O. murarius L. Sickmann Osmia, metallica Luc. Radoszkowski.





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   Chrysis nitidula Christ, Naturg. d. Insect. 1791 p. 402.
   Chrysis Jris Christ, Naturg. d. Insect. 1791 p. 105; T. 45 F. 4.
   Chrysis nitidula Fabricius, Entom. system. II. 1793 p. 243 n. 21.
   Chrysis violacea Schrank, Fauna Boica H. 2, 1802 p. 344 n. 2196 nec Panzer
   Chrysis nitidula Fabricius, Syst. Piez. 1804 p. 176 n. 31.
   Chrysis nitidula Lepeletier, Ann. mus. hist. nat. VII, 1806 p. 126 n. 15.
   Chrysis nitidula Dahlbom, Monogr. Chrysid, Suec. 1829 p. 11 n. 7, \subseteq \ \ \ 5.
   Chrysis nitidula Dahlbom, Exercit. Hymen. P. 2, 1831 p. 30 n. 9, \subseteq \circlearrowleft .
   Chrysis cyanochroa Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 316 n. 78, Q.
   Chrysis nitidula Dahlbom, Hymen, Europ. H. 1854 p. 214 n. 117, \subsetneq \circlearrowleft excl. synon.].
   Chrysis nitidula Schenck, Jahrb. Ver. Naturk. Nassau XI, 1856 p. 34 & 42 n. 13.
   Chrysis nitidula Courtiller, Ann. soc. Linn. Maine-et-Loire III. 1858 p. 69.
   Chrysis nitidula Chevrier, Descr. Chrysid, Léman 1862 p. 59, ⊊.
   Chrysis nitidula Taschenberg, Hymen, Deutschl. 1866 p. 151, \subseteq \mathcal{F}.
                                                                     [nec Fabricius].
   Chrysis coerulans Radoszkowski, Horae soc. entom. Ross. III. 1866 p. 305 n. 33, \beta; T. 4 F. 19
   Chrysis soluta Radoszkowski. Horae soc. entom. Ross. III, 1866 p. 305 n. 34, ⊈; T. 4 F. 21
   Chrysis nitidula Thomson, Opusc. entom. P. 2, 1870 p. 108 n. 15,
                                                                     [non Dahlbom].
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   Chrysis nitidula Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877–p. 15 n. 27, \mathbb Q/\mathfrak Z
   Chrysis soluta Radoszkowski. Fedtschenko: Turkestan. Chrysid. 1877 p. 16 n. 28, 😉 🐧
   Chrysis nitidula Abeille, Ann. soc. Linn. Lyon XXII, 1879 p. 12 & 41, C.
   Chrysis nitidula Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 158.
   Chrysis nitidula Lamprecht, Goldwesp, Deutschlands 1881 p. XV n. 34; Tab. F. 17.
   Chrysis Tetrachrysis nitidula Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 236, ⊆ 5;
   Chrysis intidulaFrey-Gessner, Hymen, Helvet, Chrysid, 1887 p.53 & 70, ⊆ 3. | T.9 F.62&63.
   Chrysis nitidula Frey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 81 & 92 n. 18.
— nortonii Aar. — ⊊ 3 — Am. bor.
   Chrysis Nortoni Provancher, Addit, faun, Canada, Hymén, 1887 p. 217 n. 8, \subseteq
    Chrysis Tetrachrysis Nortoni Mocsáry, Monogr. Chrysid. 1889 p. 387 n. 454, ⊊ 5; T. 2 F. 28&29.
  novarae Moes. — 3 — Austr.
    Chrysis Tetrachrysis Novarae Mocsáry, Monogr. Chrysid. 1889 p. 381 n. 414, 3.
  nubica Buyss. — \subseteq — Afr.: Nubia.
    Chrysis Nubica Abeille Buysson, Rev. d'entom. VI. 1887 p. 197 n. 34, ⊊.
    Chrysis Hexachrysis Nubica Mocsáry, Monogr. Chrysid, 1889 p. 559 n. 658, Q.
  obliterata Moes. — \subseteq — As.: India or., Turcestania.
    Chrysis orientalis Dahlbom, Hymen, Europ. II. 1851 p. 225 n. 124, ⊆ [non Guérin].
    Chrysis Tetrachrysis orientalis Lichtenstein, Pet. nouv. eutom. II. 1876 p. 27.
    Chrysis orientalis Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877 p. 17 n.31; T.1 F.12.
    Chrysis obliterata Mocsáry, Termész. Füzet. XI. 1887 p. 15.
    Chrysis Tetrachrysis obliterata Mocsáry, Monogr. Chrysid, 1889 p. 377 n. 435, \mathbb Q.
  -oblonga Cress. — ⊆ — Am.: Cuba.
    Chrysis oblonga Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 106, ⊊.
    Chrysis Tetrachrysis oblonga Mocsáry, Monogr. Chrysid, 1889 p. 392 n. 162, \subseteq
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S2 Chrysis.

obscura Smith — As. Celebes.

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  Chrysis Hexachrysis obseura Moesáry, Monogr. Chrysid, 1889 p. 561 n. 661.
oculata Fabr. — ⊊ 3 — As.: India.
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  Chrysis oculata Fabricius, Spec. Insect. I. 1781 p. 455 n. 4.
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  Chrysis oculata Dahlbom, Hymen, Europ. II. 1851 p. 310 p. 476, ⊊ ♂.
  Pyria oculata Smith. Trans. Entom. Soc. London 1874 p. 465 n. 4.
  Chrysis Hexachrysis oculata Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.
  Chrysis Hexachrysis oculata Mocsáry, Monogr. Chrysid, 1889 p. 543 n. 638, 🗣 🔈.
rar. sumptuosa Grib. — \subseteq — As.: Birmania.
  Pyria oculata var. sumptuosa Gribodo. Ann. mus. civ. Genova XXI. 1881 p. 367 n. 31, ⊊.
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oliveiri Rad. - \subseteq - Afr. occ.
  Chrysis Oliveirii Radoszkowski. Jorn. acad. sc. math. etc. Lisboa VIII. 1881 p. 219 n. 124. ⊊.
  Chrysis Hexachrysis Oliveirii Mocsáry, Monogr. Chrysid, 1889 p. 551 n. 647, ⊊.
olivieri Brullé — ⊆ — Eur.: Turcia?: Am.
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opaca Grib. — \subseteq — Afr. or.
  Chrysis opaca Gribodo, Ann. mus. civ. Genova XIV. 1879 p. 331 n. 8, ⊊.
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optima Aar. — ⊆ — Am.: California.
  Chrysis Holochrysis optima Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 227, ⊊; T. 8 F. 39.
  Chrysis Holochrysis optima Mocsáry, Monogr. Chrysid. 1889 p. 207 n. 223. ⊈.
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oraniensis Luc. — ⊆ 3 — Afr.: Algeria: As.: Syria.
  Chrysis Oraniensis Lepeletier, Lucas: Explor. sc. Algérie, Zool.III.1846 p.308 n.347; T.17 F.5.
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osmiae Thoms.2) —  $\subseteq$  3 — Eur. eentr., mer.

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Chrysis osmiaeFrey-Gessner, Bull. soc. Murith. XVI./XVIII. 1890 p. 78 & 87 n. 7; T. 2 F. 16. ottomana Moes. — 3 — As. minor.

Chrysis Holochrysis Ottomana Moesáry, Monogr. Chrysid, 1889 p. 239 n. 264, 3.

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panamensis Cam. — Am.: Panama.

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<sup>1)</sup> Hym.: Osmia Lhotelleriei Pérez. (Lhotellerie teste Buysson).

 $<sup>^2)\</sup> Hym.$  Osmia nigriventris Zett. Zetterstedt), O. parietina Sm. (Smith), O. tuberculata Nyl., Chelostoma maxillosum L. Frey-Gessner .

parallela Brullé — 3 — As.: Timor.

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patagonica Moes. — 3 — Am.: Patagonia.

Chrysis (Hechaehrysis Patagonica Moesáry, Monogr. Chrysid. 1889 p. 579 n. 689, 3. pattonii Aar. — ⊆ — Am.: Colorado.

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Brugmoia pellucida Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877 p. 26 n. 53, 🦪 Chrysis Euchroeus pellucida Mocsáry, Monogr. Chrysid, 1889 p. 602 n. 716, 3.

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F.58& 59.

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Chrysis pelopaeieida Abeille Buysson, Rev. d'entom. VI. 1887 p. 176 n. 12, & 3! Chrysis Holochrysis pelopacicida Mocsáry, Monogr. Chrysid. 1889 p. 219 n. 244, ⊊ 🐧. peninsularis Buyss. — ⊊ — Eur.: Hispania.

Chrysis peninsularis Abeille Buysson, Rev. d'entom. VI. 1887 p. 182 n. 18, Ç.

Chrysis Monochrysis peninsularis Mocsáry, Monogr. Chrysid. 1889 p. 310 n. 350, ⊊. pennsilvanica Brullé — ⊊ ♂ Am.: Florida.

Chrysis Pennsilvanica Lepeletier Brullé, Hist nat. Insect. Hymén. IV. 1846 p. 24 n. 1, Ç. [F. 86. Chrysis Hexachrysis PennsylvanicaAaron,Trans.Amer.Entom.Soc.XII.1885 p.242, 5; T.10 Chrysis Hexachrysis Pennsylvanica Mocsáry, Monogr. Chrysid. 1889 p. 565 n. 670, ♀; T. 2 F. 51. peracuta Aar. — 🔾 — Am.: Kentucky, Georgia, Florida, Tennassec, Texas.

Chrysis Tetrachrysis peracutaAaron,Trans.Amer.Entom.Soc.XII.1885 p.237, T.10 F.74&75. Chrysis peregrina Buysson, Rev. d'entom. VI. 1887 p. 188 n. 25, Q.

Chrysis Tetrachrysis peracuta Mocsáry, Monogr. Chrysid, 1889 p. 388 n. 455; T. 2 F. 23. perezii Mocs. — 3 — Afr.: Algeria.

Chrysis Chevrieri var. Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 67, 3.

Chrysis Tetrachrysis Perezi Mocsary, Monogr. Chrysid. 1888 p. 461 n. 537, 3. peringuezii Mocs. — ⊊ — Afr.: Cap.

Chrysis Hexachrysis Peringuezi Mocsáry, Termész. Füzet. XIII. 1890 p. 64 n. 35, ⊊. perpulchra Cress. — ⊊ ♂ — Am.: Canada, Vancouvers Island, United States.

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Chrysis Spintharis refulgens Klug, Symb. physic. P.5. 1845 Insect. T. 45 F. 8 [nec Spinola]. Chrysis Pharaonum Mocsáry, Chrysid, faun. Hungar, 1882 p. 46 nota.

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<sup>1) = ?</sup> Ch. tridens Lep. (Dahlbom).

<sup>&</sup>lt;sup>2</sup> Hym.: Pelopoeus violaceus Fbr. Abeille, Buysson.

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Chrysis. S5

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👱 🐧 — Fur., Gallia, Hispania, Italia, Tirolia
phryne Ab.
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   Chrysis Phryne Abeille, Diagn. Chrysid, nouv. 1878 p. 5 n. 29, Q.
   Chrysis Phryne Abeille, Ann. soc. Linn. Lyon XXVI 4879 p. 75 & 81, Q.
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   Chrysis Holochrysis Phryne Moesary, Monogr. Chrysid, 1889 p. 228 n. 252, Ç.
picticornis Mocs. — ⊆ 3 — As.: Caucasus, Turcestania.
   Chrysis \, varicornis Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1887 \, p.11 \, n.18, \\ \subsetneq! \, T.1 \, F.1 \,
   Chrysis picticornis Mocsáry, Termész. Füzet. XI, 1887 p. 47.
   Chrysis Olochrysis pieticornis Radoszkowski, Horac soc. entom. Ross. XXIII. 1888 p.15, 3;
   Chrysis Holochrysis picticornisMocsáry,Monogr. Chrysid. 1889 p.236 n. 260, ⊊ ℨ. [T.2F.27.
pilifrons Cam. — Am. : Panama.
   Chrysis pilifrons Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen, I. p. 165 n. 44; T. 20 F. 43.
   Chrysis Hexachrysis pilifrons Mocsáry, Monogr. Chrysid, 1889 p. 576 n. 683,
placida Mocs. — 3 — Eur.: Hungaria; As.: Caucasus.
   Tetrachrysis placida Moesáry, Termész. Fűzet. III. 1879 p. 122 n. 10, 3.
   Chrysis placida Moesáry, Chrysid, faun. Hungar. 1882 p.58&87 n. 24, 3; T.2 F.1 [excl. synon.]
   Chrysis Tetrachrysis placida Mocsáry, Monogr. Chrysid. 1889 p. 433 n. 514. 3.
 plagiata Mocs. — ⊆ — Afr.: Cap.
    Chrysis Tetrachrysis plagiata Mocsáry, Termész. Füzet. XIII, 1890 p. 59 n. 24, Ç.
plusia Mocs. — ♀ — Afr.: Algeria.
    Chrysis Hexachrysis plusia Moesáry, Monogr. Chrysid. 1889 p. 535 n. 626, ⊊.
 poecila Mocs. — \subseteq — Afr.: Cap.
    Chrysis sinuata Dahlbom, Dispos.method. Hymen. H. 1845 p. 12 n. 18, ⊊ [excl. ♂; necBrullé, nec
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    Chrysis Tetrachrysis poecila Mocsáry, Monogr. Chrysid. 1889 p. 440 n. 519.
 poecilochroa Mocs. — 3 — Afr.: Algeria.
    Chrysis Tetrachrysis poeciloehroa Moesáry Radoszkowski, Horae soc. entom. Ross.XXIII.
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    Chrysis Polinierii Guérin, Rev. zool. 1842 p. 149 n. 18, 3.
    Chrysis Trichrysis Polinierii Mocsáry, Monogr. Chrysid. 1889 p. 321 n. 359, 3.
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    Chrysis Holochrysis porphyrea Moesáry, Monogr. Chrysid, 1889 p. 284 n. 317.
 porphyrophana Moes. — 9 — Afr.: Cap.
     Chrysis Hexachrysis porphyrophana Mocsáry, Termész. Füzet. XIII. 1890 p. 64 n. 34, ⊊.
 postica Brullé — ⊊ — Am.: Brasilia.
     Chrysis postica Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 36 n. 20, Q.
     Chrysis Tetraehrysis postica Mocsáry, Monogr. Chrysid, 1889 p. 340 n. 381, ⊊.
 prasina Klug — 3 — Afr.: Nubia, Aetheopia.
     Chrysis Spintharis prasina Klug, Symb, physic, P.5, 1845 Insect. T.45 F.10, & [nec Dahlbom].
     Chrysis Dichrysis prasina Lichtenstein, Pet. nouv. entom. 11. 1876 p. 27.
     Chrysis Dichrysis prasina Mocsáry, Monogr. Chrysid, 1889 p. 318 n. 356, 3.
  principalis Smith — ♀ ♂ — As.: Himalaya, Bengal, Ceylon, China, Sunda.
     Chrysis principalis Smith, Trans. Entom. Soc. London 1874 p. 461 n. 13, ⊊.
     Chrysis Hexachrysis principalis Mocsáry, Monogr. Chrysid. 1889 p. 559 n. 659, \subsetneq \circlearrowleft
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Chrysis Hexachrysis promimula Mocsáry, Monogr. Chrysid, 1889 p. 581 n. 691.

z niozeni Dala propingua Moes. — 🕻 🗦 — Am.: Mexico, Brasilia.

at Oude 18 1000 (Chrysis Tetrachrysis propinqua Mocsáry, Monogr. Chrysid. 1889 p. 343 n. 386, & 3. propria Aar. — 🗣 🥇 — Am.: Montana, California, Colorado, Arizona, Texas, Mexico. [77.

Chrysis Tetrachrysis propria Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 238. ♀ ♂; T. 10 F. 76& Chrysis Tetrachrysis) propria Mocsáry, Monogr. Chrysid. 1889 p. 389 n. 457, ⊊ ♂; T. 2 F.14. proteus Smith. — Austr.: bor. occ.

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Chrysis Hexachrysis Proteus Mocsáry, Monogr. Chrysid. 1889 p. 586 n. 697. proxima Cam. — Am.: Panama.

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przewalskii Rad. — 3 — As.: Mongolia.

[T.3 F.S.

Chrysis (Tetrachrysis Przewalskii Radoszkowski, Horac soc. entom. Ross. XXI. 1887 p.46, 3! Chrysis Tetrachrysis Przewalskii Moesáry, Monogr. Chrysid, 1889 p. 504 n. 587, 3; T.2 F.39. psittacina Buyss. — 3 — As.: Persia.

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Chrysis puberula Spinola, Gay: Hist. fis. Chile. Zool. VI. 1851 p. 407 n. 5, ⊈.

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pubescens Smith<sup>2</sup>) — As.: India or.

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<sup>&</sup>lt;sup>1</sup> Hym.: Osmia metallica Luc. Dours, Radoszkowski.

<sup>&</sup>lt;sup>2</sup> Hym.: Pelopoeus bilineatus Smith (Ezra Downes).





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punctata Christ — Patria?

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<sup>1 = ?</sup> Stilbum evanurum var. siculum Tourn...

S8 Chrysis.

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<sup>1</sup> Hym.: Bembex olivacea Fabr. Dours,

<sup>2,</sup> Hym.: Osmia adunca Panz., O. caementaria Gerst. Frey-Gessner.





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 $<sup>^4~</sup>Hym\,\cdot$ Eumenes unguieulata Vill. Pérez , Odynerus spinipes L., Osmia caementaria Gerst. Lichtenstein.

<sup>&</sup>lt;sup>2</sup> = ? Chrysis Mulsanti Ab. Mocsáry.

<sup>3.</sup> Hym.: Odynerus levipes Shuck. Perris.

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 $<sup>^{!)}</sup>$  Hym.: Odynerus Nugdunensis Sauss. Friese , Osmia aenea L., O. Giraudi Schmkn. Frey-Gessner .

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servillei Brullé —  $\subseteq$  — Am. bor. Chrysis Servillei Lepeletier Brullé, Hist. nat. Insect. Hymén. IV. 1846 p. 37 n. 22,  $\subseteq$ . Chrysis Tetrachrysis Servillei Mocsáry, Monogr. Chrysid. 1889 p. 384 n. 446,  $\subseteq$ . severa Mocs. —  $\subseteq$  — Am.: Mexico.

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sexdentata Christ<sup>1</sup> — $ 5 — Eur. cent. & mer.; As.: Caucasia, Tschercassia.
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shanghaiensis Smith  $- \subseteq -$  As.: China bor.

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Pyria simillima Gribodo, Ann. mus. eiv. Genova XIV. 1879 p. 326 n. 2.

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Chrysis Sinaica Walker, List of Hymen, in Egypt. 1871 p. 7 n. 30,  $\varphi$ .

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- 1 Hym.: Odynerus parietum L. André.
- <sup>2</sup> Hym.: Osmia caementaria Gerst. Gerstaecker, Mocsáry.

sinuosiveutris Ab. — 3 — Eur.: Hispania, Gallia; Afr.: Algeria. Chrysis sinuosiventris Abeille, Diagn. Chrysid. nouv. 1878 p. 4 n. 20.

simuata Brullé — ⊊ — Eur.: Graecia.

siva Mocs. —  $\Omega$  — As.: India.

sinnata Rad.! —  $\subseteq \mathcal{F}$  — As.: Turcestania.

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smaragdicolor Walk. - Am.: Vancouvers Island.. Columbia.
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smaragdula Fabr. — \subsetneq \circlearrowleft — Am.: United States.
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  Chrysis smaragdula Dahlbom, Hymen. Europ. H. 1854 p. 337 n. 190, ⊊.
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smidtii Dahlb. — Am. mer.
  Chrysis Smidti Dahlbom, Hymen. Europ. II. 1854 p. 317 n. 180.
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smithii Grib. - \subsetneq - Afr. or.
  Chrysis Smithii Gribodo, Ann. mus. civ. Genova XIV. 1879 p. 326 n. 3, Q.
  Chrysis Hexachrysis Smithii Mocsáry, Monogr. Chrysid, 1889 p. 589 n. 700, ⊊.
smyrnensis Mocs. - \subseteq - As. minor.
   Chrysis Holochrysis Smyrnensis Moesáry, Monogr. Chrysid. 1889 p. 268 n. 298, Q.
socia Dahlb. — 3 — Eur.: Sicilia.
   Chrysis socia Dahlbom, Hymen, Europ. II, 1854 p. 145 n. 80, 3; T. 6 F. 87.
   Chrysis Olochrysis socia Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.
   Chrysis Olochrysis socia Radoszkowski, Horae soc. entom. Ross. XXIII, 1888 p.15; T.2 F.29.
   Chrysis Holochrysis socia Mocsáry, Monogr. Chrysid. 1889 p. 269 n. 300, 3; T.2 F.1.
 somalina Moes. - \subsetneq 3 - Afr. or.
   Chrysis Tetrachrysis Somalina Mocsáry, Monogr. Chrysid, 1889 p. 512 n. 596, Q 3.
 sonorensis Cam. — Am.: Mexico.
   Chrysis Sonorensis Cameron, Biol. Centr.-Amer. P. 67, 1888 Hymen, I. p. 461 n. 2; T.20 F.9.
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Chrysis sinuosiventris Dours Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 55 & 62, 3. Chrysis Olochrysis sinuosiventris Schmiedeknecht, Entom. Nachr. VI, 1880 p. 197. Chrysis sinuosiventris Gogorza, Anal. soc. Españ. hist. nat. XVI, 1887 p. 54 n. 22. Chrysis Gonochrysis sinuosiventris Mocsáry, Monogr. Chrysid, 1889 p. 305 n. 341, 3.

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[F. 5 'nec Dahlbom, nec Brullé].

( Nex. + New Orleans du Buyss 1898 (1887) ann soc. ent. Fr. vol. 66 p. 560



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 $<sup>^{1}</sup>$  Hym.; Odynerus levipes Shuck. Giraud , O. bifasciatus L. (Lamprecht , Anthidium spec. Fabre , Lophyrus pini L. Lamprecht .

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  Chrysis parvula Norton, Trans. Amer. Entom. Soc. VII. 1879 p. 242.
                                                                            excl.synon.
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Aaron, Trans. Amer. Entom. Soc. XII. 1885 p.231, \subsetneq 3 ; T. 8 F. 46
& 47
  Chrysis parvula Provancher, Addit. faun. Canada. Hymén. 1887 p. 216 n. 6, £. [synon.].
  Chrysis parvula Cameron, Biol. Centr.-Amer. P.67, 1888 Hymen. I. p. 462 n. 4; T. 20 F. 6 [excl.
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var. mexicana Guér. — Am.: Mexico.
  Chrysis Mexicana Guérin, Rev. 2001. 1842 p. 117 [nee Cameron].
  Chrysis Mexicana Guérin, Iconogr. règn. anim. VII. Insect. 1845 p. 418; T. 68 F. 9.
trigona Mocs. — ⊊ — As.: Celebes.
  Chrysis Trichrysis trigona Mocsáry, Monogr. Chrysid. 1889 p. 327 n. 367, \subsetneq.
trimaculata Först.¹ — ♀ ʒ — Eur. eentr. & mer.
  Chrysis trimaculata Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 307 n. 71, Q.1
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  Chrysis trimaculata Frey-Gessner, Bull. soc. Murith. XVI. XVIII. 1890 p. 77 & 85 n. 2.
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  Chrysis Tetrachrysis tripartita Mocsáry, Monogr. Chrysid. 1889 p. 388 n. 456, C.
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  Chrysis Gonochrysis trisinuata Mocsáry, Monogr. Chrysid, 1889 p. 288 n. 323, C.
truncatella Dahlb. — \Omega — Am.: Brasilia.
  Chrysis truncatella Spinola Dahlbom, Hymen, Europ. H. 1854 p. 195 n. 105, C; T. 10 F. 107,
  Chrysis Trichrysis truncatella Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.
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<sup>1</sup> Hym.: Osmia bicolor Schek. Lichtenstein & auct.

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uljaninii Rad 3 - As.: Turcestania.
                                                                                [T.2 F.8.
  Chrysis Uljanini Radoszkowski, Fedtschenko: Turkestan, Chrysid, 1877 p. 22 n. 44, 3 excl. $\infty$:
  Chrysis Tetrachrysis Uljanini Radoszkowski, Horae soc. entom. Ross. XXIII. 1885p. 24, 3; T.4
  Chrysis Tetrachrysis Uljanini Mocsáry, Monogr. Chrysid. 1889 p. 436 n. 516, Q. [F.51.
uncifera Ab. - Eur.: Corsica, Gallia, Hungaria.
  Chrysis uncifera Abeille. Diagn. Chrysid. nouv. 1878 p. 4 n. 24.
  Chrysis uncifera Abeille, Ann. soc. Linn. Lyon XXVI, 1879 p. 56 & 72; T. 1 F. 25.
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undata Dahlb.! — \subsetneq — Patria?
  Chrysis undata Dahlbom. Exercit. Hymen. Pars 2, 1831 p. 29 n. 7, ♀.
undulata Rad. — \subsetneq \beta — As.: Caucasus.
                                                                           [[non Smith].
  Chrysis obscura Radoszkowski. Horae soc. entom. Ross. XII. 1876 p. 106 n. 30, 3! T. 2 Fig. B
  Chrysis undulata Radoszkowski, Horae soc. entom. Ross. XV. 1879 p. 145 n. 53!
  Chrysis chalcochrysa Mocsáry, Termész, Füzet, XI, 1887 p. 15.
  Chrysis Tetrachrysis, undulata Mocsáry, Monogr. Chrysid, 1889 p. 467 n. 544, Q. 3.
unicolor Dahlb. - \subseteq \emptyset — Eur.: Succia, Germania, Hungaria.
  Chrysis Hedychrum unicolor Dahlbom, Exercit. Hymen. Pars 2, 1831 p. 32 n. 16, 3.
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  Chrysis lazulina Förster, Verh. naturh. Ver. preuss. Rheinl. X. 1853 p. 315 n. 77, Ç!
  Chrysis albipennis Dahlbom, Hymen, Europ, II, 1854 p. 175 n. 95, ⊊; T. 8 F. 99.
  Chrysis unicolor Dahlbom, Hymen. Europ. H. 1854 p. 177 n. 96, 3; T. 9 F. 100.
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 Chrysis Gonochrysis albipennis Lichtenstein, Pet. nouv. entom. II. 1876 p. 27, Ç.
  Chrysis Gonochrysis unicolor Lichtenstein, Pet. nouv. entom. II. 1876 p. 27, 3.
 Chrysis albipennis Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 41 & 42, \(\infty\).
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 Chrysis lazulina Lamprecht, Goldwesp, Deutschlands 1881 p. XIII n. 26, ⊊; Tab. F. 12.
 Chrysis unicolor Mocsáry, Chrysid, faun, Hungar, 1882 p. 51 & 84 n. 13, ♀ ♂.
 Chrysis Gonochrysis unicolor Mocsáry, Monogr. Chrysid, 1889 p. 287 n. 322, Q. 3.
miformis Dahlb.—⊊ 3—Eur.mer.&or.; As.min., Persia, Turcestania, Caucasus; Afr.: Aegyptus.
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 Chrysis fasciata Spinola. Insect. Ligur. I. 1806 p. 7 n. 3; T. 1 F. 2.
 Chrysis uniformis Dahlbom, Hymen. Europ. II. 1854 p. 149 n. 82, ♥; T. 6 F. 88.
 Chrysis uniformis Radoszkowski, Horac soc. entom. Ross. III. 1866 p. 392 n. 23.
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                                                                                  F.31.
 Chrysis Olochrysis uniformis Radoszkowski, Horae soc.entom. Ross. XXIII. 1888 p. 16, 3; T. 3
  Chrysis Holochrysis uniformis Mocsary, Monogr. Chrysid. 1889 p. 265 n. 294. 4.
unita Moes. — \subseteq — Am.: Mexico.
  Chrysis (Holochrysis unita Mocsáry, Monogr. Chrysid, 1889 p. 211 n. 230, Ç.
vahlii Dahlb. — Afr.: Tunisia.
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Chrysis Vahli Dahlbom, Hymen. Europ. II. 1851 p. 301 n. 170.



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valesiana F.-G. 1 - Q 3 - Eur.: Helvetia.

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Chrysis sybarita var. Valesiana Mocsáry, Monogr. Chrysid, 1889 p. 456, Ç 3. [Q 3]

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Chrysis Valesiana Frey-Gessner, Bull. soc. Murith, XVI, XVIII, 1890 p. 83 & 96 n. 26, variegata Curt.! — Eur.: Britannia.

Chrysis variegata Curtis, Brit. Entom. I. 1824 p. 8 n. 21; T. 8.

variicolor Smith — As.: China bor.

Chrysis varicolor Smith, Trans. Entom. Soc. London 1874 p. 462 n. 17.

Chrysis Hexachrysis variicolor Mocsáry, Monogr. Chrysid. 1889 p. 539 n. 631.

variicornis Spin. − 3 − Afr.: Aegyptus. Algeria.

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Chrysis varicornis var. obliterata Abeille, Ann. soc. Linn. Lyon XXVI. 1879 p. 60. variidens Ab.  $- \subsetneq \circlearrowleft -$  Eur: Gallia, Hungaria.

Chrysis varidens Abeille, Diagn. Chrysid. nouv. 1878 p. 6 n. 34, ⊊ ♂.

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Chrysis Tetrachrysis varidens Mocsáry, Monogr. Chrysid. 1889 p. 465 n. 541,  $\mathfrak L$   $\mathfrak Z$ . venusta Cress. —  $\mathfrak Z$  — Am.: Colorado, Texas. Arizona.

Chrysis venusta Cresson, Proc. Entom. Soc. Philadelphia IV. 1865 p. 311 n. 9, 3.

Chrysis Tetrachrysis venusta Aaron, Trans. Amer. Entom. Soc. XII. 1885 p. 236,  $\circlearrowleft$ ; T.9F.61. Chrysis Tetrachrysis venusta Mocsáry, Monogr. Chrysid. 1889 p. 390 n. 459; T. 2 F. 17. verna Dahlb.  $- \not\subseteq \circlearrowleft -$  Eur.: Rhodus; As.: Caucasus.

Chrysis verna Dahlbom, Hymen. Europ. II. 1854 p. 285 n. 160, Ç.

Chrysis Tetrachrysis verna Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

Chrysis Tetrachrysis vernaRadoszkowski, Horae soc. entom. Ross. XXIII. 1888 p.29, &;T.5

Chrysis Tetrachrysis verna Mocsáry, Monogr. Chrysid. 1889 p. 478 n. 558, J. F.62. verna Marq.! — Eur.; Gallia.

Chrysis verna Marquet, Bull. soc. hist. nat. Toulouse XIII. 1879 p. 159 [nec Dahlb.]. versicolor Spin. —  $\mathfrak Q$   $\mathfrak Z$  — Eur. centr. & mer.; As.: Caucasus.

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Chrysis Homochrysis versicolor Lichtenstein, Pet. nouv. entom. II. 1876 p. 27.

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Chrysis versicolor Mocsáry, Chrysid. faun. Hungar. 1882 p. 53 & 86 n. 17,  $\subseteq \ \mathcal{J}.$ 

<sup>1</sup> Hym.: Odynerus spiricornis Spin. (Frey-Gessner,

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Chrysis Gonochrysis versicolor Mocsáry, Monogr. Chrysid. 1889 p. 308 n. 348,  $\subsetneq \ \mathcal{J}.$ 

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vestigator Smith — 3 -- As.: Borneo, Java.

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Chrysis virens Mocsáry, Monogr. Chrysid. 1889 p. 622 n. 9.

virescens Brullé —  $\subsetneq$  — Afr. Senegal.

Chrysis virescens Brullé. Hist. nat. Insect. Hymen. IV. 1846 p. 27 n. 7, Q.

Chrysis Hexachrysis virescens Mocsáry, Monogr. Chrysid. 1889 p. 555 n. 652,  $\mathbb{Q}$ . viridana Dahlb. —  $\mathbb{Q}$  — As. minor.

Chrysis viridana Dahlbom, Hymen. Europ. II. 1854 p. 137 n. 75, Q.

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viridicyanea Gieb. - Eur.: Germania succinum.

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Chrysis viridifrons Smith, Trans. Entom. Soc. London 1874 p. 457 n. 4, Q.

Chrysis Holochrysis viridifrons Mocsary, Monogr. Chrysid, 1889 p. 202 n. 213, ⊊. viridis Oliv. — Am.: Cavenne.

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viridissima Klug - Afr. acq.; Aegyptus.

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Chrysis viridula Linné, Fauna Succ. Ed. 2a. 1761 p. 415 n. 1668, Q. Chrysis viridula Linné. Syst. nat. Ed. 12a. I. 2. 1767 p. 948 n. 6, 3.

Chrysis bidentata Linné, Syst. nat. Ed. 12ª, I. 2. 1767 p. 947 n. 2,  $\varsigma.$ 

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Chrysis bidentata Gmelin, Linné: Syst. nat. Ed. 13a. I. 5. 1790 p. 2745 n. 2, Ω [excl. synon.].

<sup>1</sup> Hym.: Odynerus parietum L. Bormans, O. spinipes L. Westwood & auct., O. reniformis Gmel. Pérez., Osmia metallica Luc. Dours, Radoszkowski.





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Chrysis viridula Christ, Naturg. d. Insect. 1891 p. 404, 3; T. 45 F. 2.
Chrysis Aurora Christ, Naturg. d. Insect. 1791 p. 405, 3; T. 45 F. 5.
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## CATALOGUS HYMENOPTERORUM

hucusque descriptorum

## systematicus et synonymicus

Auctore

## DR. C. G. DE DALLA TORRE

Professore Oenipontano.

Volumen VI: CHRYSIDIDAE (TUBULIFERA).

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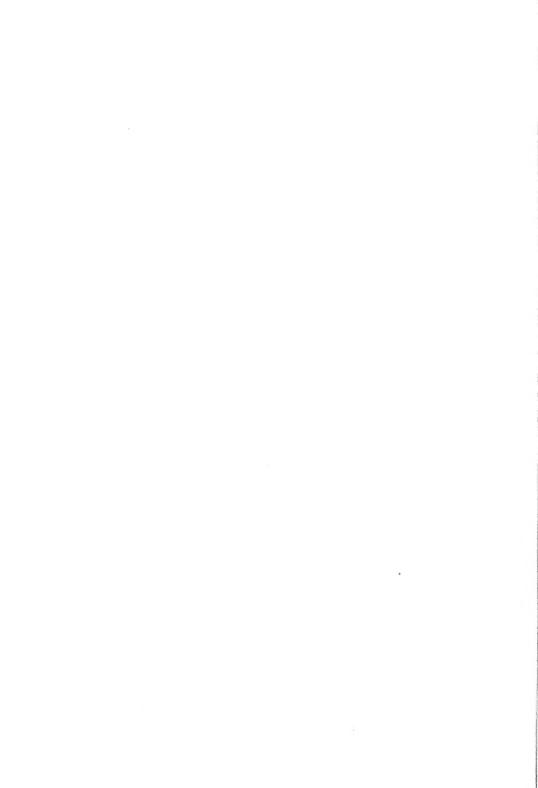
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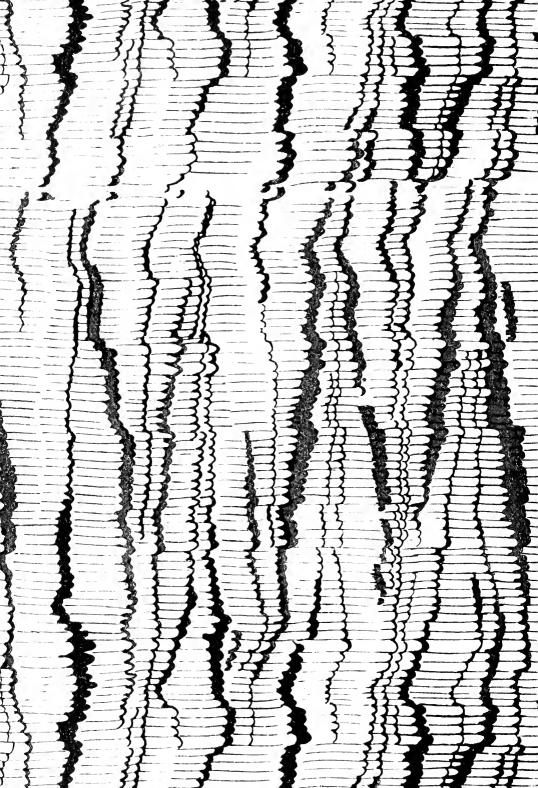
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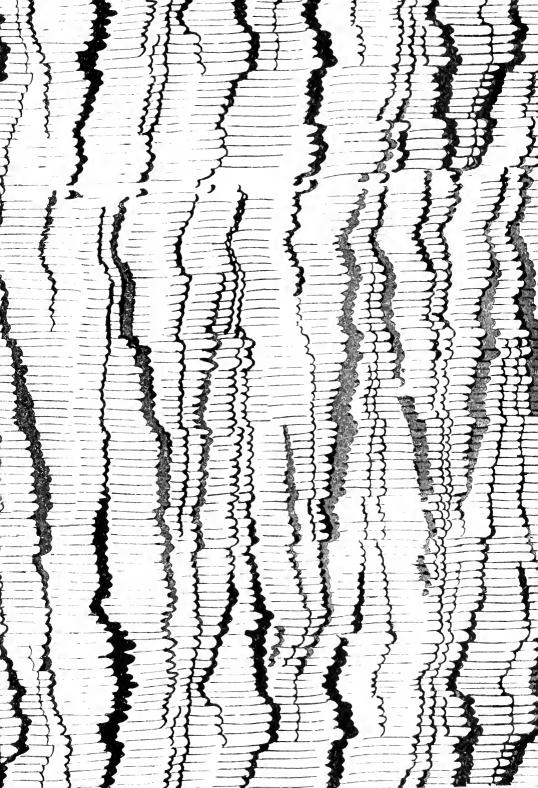
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